U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-259 842

Water Resources Data for Nebraska, Water Year, 1975

Geological Survey, Lincoln, Nebr Water Resources Div

Jul 76

CALENDAR FOR WATER YEAR 1975

1974

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1975

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PB 259 842

Water Resources Data
for
Nebraska

Water Year 1975

U.S. DEPARTMENT OF THE INTERIOR
MARCH 3, 1849

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NE-75-1

Prepared in cooperation with the Nebraska Department of Water Resources, the Conservation and Survey Division of the University of Nebraska, the Nebraska Natural Resources Commission, and with other State and Federal agencies

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Water resources data for the 1975 water year for Nebraska consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels and water quality in wells and springs. This report contains discharge records for 140 gaging stations; stage and contents for 9 lakes and reservoirs; water quality for 43 gaging stations, 22 ungaged stations, 29 partial-record flow stations, and 173 wells; and water levels for 66 observation wells. Also included are 115 crest-stage partial-record stations and 26 low-flow partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Nebraska.

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PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Nebraska and with other agencies by personnel of the Nebraska District of the Water Resources Division, under the direction of K. A. Mac Kichan, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

Prepared in cooperation with

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Conservation and Survey Division, University of Nebraska-Lincoln
Nebraska Natural Resources Commission
Big Blue River Compact Administration
Lower Platte South Natural Resources District
Upper Big Blue Natural Resources District
Bureau of Reclamation, U.S. Department of the Interior
Corps of Engineers, U.S. Army
U.S. Environmental Protection Agency

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1976

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Section 2. Water-Quality Records
Section 3. Ground-Water Records

INTRODUCTION

Water-resources data for the 1975 water year for Nebraska consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 140 gaging stations; stage and contents for 9 lakes and reservoirs; water quality for 43 gaging stations, 22 ungaged stations, 29 partial-record flow or miscellaneous stations, and 173 wells; and water levels for 66 observation wells. Also included are data for 115 crest-stage partial-record stations and 26 low-flow partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Nebraska.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report NE-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151. For more information on publications available, see "PUBLICATIONS" on a subsequent page.

COOPERATION

The U.S. Geological Survey and certain organizations of the State of Nebraska have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

Nebraska Department of Water Resources, M. E. Ball, director

Conservation and Survey Division, University of Nebraska-Lincoln, V. H. Dreeszen, director

Nebraska Natural Resources Commission, Dayle E. Williamson, executive secretary

Nebraska Department of Roads, T. D. Doyle, director-State engineer

Big Blue River Compact Administration

Lower Platte South Natural Resources District, H. L. Schroeder, general manager

Upper Big Blue Natural Resources District, Floyd Marsh, manager

Assistance in the form of funds and services was given by the Corps of Engineers, U.S. Army, in collecting records for 36 gaging stations and by the U.S. Environmental Protection Agency in collecting records for 7 water-quality stations published in this report.

The following organizations aided in collecting records:

Central Nebraska Public Power and Irrigation District, Nebraska Public Power District, and Loup River Public Power District.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on page 36.

Acre-foot(AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or 325,851 gallons or 1,233 cubic metres.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

> Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.
>
> Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.
>
> Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the shifting portion of fragmented alluvial material of which the streambed is composed.

Biochemical oxygen demand (BOD) is a measure of the oxygen required by microorganisms in stabilizing decomposable organic matter under aerobic conditions.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

> Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic metre), and periphyton and benthic organisms in g/m^2 (grams per square metre).
>
> Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.
>
> Organic weight or volatile weight of the living substance is the difference between the dry weight and the ash weight, and represents the actual weight of the living matter. The organic weight is expressed in the same units as for ash and dry weights.
>
> Wet weight is the weight of living matter plus contained water.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,445 cubic metres, and represents a runoff of 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds present in a water. It varies with water composition, concentration of reagent, temperature, period of contact, and other factors.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metres per second.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at time of sampling. If this discharge is reported instead of daily mean value, the heading of the discharge column will be "Discharge (ft^3/s)."

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometre membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is the property of water attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Herbicides are substances or a mixture of substances intended to control or destroy vegetation.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per litre (UG/L, μg/l) is a unit for expressing the concentration of chemical constituents in solution. It represents one one-thousandth of a milligram of constituent in a litre of solution.

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, page 25. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per litre of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 2, page 26.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, usually millilitres (ml) or litres (l).

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square metres (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually millilitres (ml) or litres (l). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimetres (mm), of suspended sediment or bed material determined by sieve, sedimentation (fall diameter), or optical methods.

Particle-size classification agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. This classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms.

Pesticides include insecticides and herbicides.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

> Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.
>
> Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per millilitre (cells/ml) of sample.
>
> Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per millilitre (cells/ml) of sample.

Picocurie (PC/L) is one-millionth of the amount of radioacitivity represented by a microcurie, which, in turn, is the amount of radioactivity given off by one-millionth of a gram of radium-226.

Plankton is the floating (or weakly swimming) animal or plant life in a body of water consisting chiefly of minute plants (as diatoms and blue-green algae) and of minute animals (as protozoan, entomostracans, and various larvae).

Polychlorinated biphenyls (PCB's) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited by water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

> Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.
>
> Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, that is discharged in a given

time. It is calculated in units of tons per day as follows: concentration (mg/l) x discharge (ft^3/s) x 0.0027.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed in milligrams of dry sediment per litre of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reaction with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content of the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom..............Animal
Phylum...............Arthropoda
Class................Insecta
Order................Ephemeroptera
Family...............Ephemeridae
Genus................Hexagenia
Species..............Hexagenia limbata

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Tons per acre-foot indicates the dry weight of constituent in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per litre, by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1975, is called the "1975 water year."

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Some of the stations for which data are published in this report are included in special networks or programs. These stations are identified by a statement, in parentheses under the station name, that indicates the type of network or program of which the station is a part. The parenthetic statements and their meanings are as follows:

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimes will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

Irrigation network stations are water quality stations located at or near certain streamflow gaging stations west of the main stem of the Mississippi River. Data collected at these stations are used to evaluate the chemical quality of surface waters used for irrigation and the changes resulting from the drainage of irrigated lands. Prior to water year 1966, chemical-quality data for irrigation were published in the annual water-supply paper series, "Quality of Surface Water for Irrigation, Western States."

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-to-year basis and (2) to detect and assess long-term changes in stream quality.

Radiochemical program is a program for periodic collection of data on radioisotopes from selected stations representing major drainage basins in the conterminous United States. Samples for isotope analysis are taken once or twice a year, ordinarily at stations regularly sampled for other purposes.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example, ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all main-stream stations are listed before the first main-stream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 06686000, which appears just to the left of the station name includes the 2-digit part number "06" plus the 6-digit downstream order number "686000." The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 6 (Missouri River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

At several stations, flow is divided between two or more major channels each of which has been assigned a separate identification number differing somewhat from the regular station number. Where the channel identification numbers appear on the individual tables, the data shown in the table are stored in the U.S. Geological Survey computer storage cell by this number rather than by the regular station number.

WELL NUMBERS

Wells for which chemical analyses are given in this report are identified both by a U.S. Geological Survey well number, based on latitude and longitude, and a local identifier, based on the land subdivisions of the U.S. Bureau of Land Management. A U.S. Geological Survey well number consists of 15 digits. A typical USGS well number is 402910098352102. The first 6 digits denote the degrees, minutes, and seconds of latitude. The next seven digits denote degrees, minutes, and seconds of longitude. The final two digits are sequence numbers used to distinguish between wells within the same second of latitude and longitude.

An example of a typical local identifier is 21N-31W-14DCA3. The first two digits indicate the township, which in Nebraska are all north of the 40th parallel baseline. The second two digits indicate the range east or west of the 6th principal meridian. The last two digits indicate the section in which the well is located. The first uppercase letter after these digits denotes the quarter section, or 160-acre tract; the second denotes the quarter-quarter section, or 40-acre tract; and the third denotes the quarter-quarter-quarter section, or 10-acre tract. The quarter sections, quarter-quarter sections, etc., are designated A, B, C, or D in a counterclockwise direction, beginning with A in the northeast quadrant. If two or more wells are located within the smallest subdivision indicated, they are distinguished by the sequential digit at the end of the identifier.

EXPLANATION OF SURFACE-WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consists of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that gives a continuous graph of the fluctuations (for digital recorders, a tape punched at 15-, 30-, or 60-minute intervals) or from direct readings on a nonrecording gage. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks on the measurement of stream discharge. (See also SELECTED REFERENCES.) Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the daily mean gage heights to the rating table gives the daily mean discharge, from which the monthly and the yearly mean discharges are computed. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorder gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1975 water year is shown on the inside of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, and general remarks. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey, unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. The maximum discharge (or contents), the maximum gage height, and the minimum daily discharge (or the minimum contents) are given under "EXTREMES." In the first paragraph headed "Current year:" the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in the PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge or contents, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and the availability of Water Quality records, is given under "REMARKS"; for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEAR)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1933 stands for the water year October 1, 1932, to September 30, 1933. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by the notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily tables for stream-gaging stations give the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading. For stations equipped with nonrecording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily readings; but for periods of rapidly changing stage the discharge is determined from a gage-height graph based on the gage readings.

The daily tables for reservoir stations give the contents corresponding to the water-surface elevation at a given time, usually at 2400 each day.

The monthly summary is given below the daily table. For stream-gaging stations the line headed "TOTAL" gives the sum of the daily figures; it is the total cubic feet per second per day for the month. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN.") or in acre-feet (line headed "AC-FT"). Figures of cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or division, if the drainage area includes large noncontributing areas, or if the average rainfall on the drainage basin is usually less than 20 inches.

For reservoir stations the monthly summary gives the elevation (or gage height) at the end of the month and the change in contents during the month. If elevation or gage height is given in the daily table, the monthly summary gives the contents at the end of the month, rather than the elevation or gage height.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in in this summary are the minimum daily discharges.

For reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE", certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Period of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs. Footnotes to reservoir tables may be used to explain the use of new capacity tables or for other special conditions.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent: "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation, or other factors. For such stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for such effects. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or unadjusted losses (consumptive use, evaporation, seepage, etc.) are large in comparison with the observed discharge.

Publications

Each volume of the 1960 series of the U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States" contains a listing of the numbers of all water-supply papers in which records of surface-water data were published for the area covered by the individual volumes. Each volume also contains a list of water-supply papers that give detailed information on major floods for the area. A new series of water-supply papers containing surface-water records for the 5-year periods October 1, 1960, to September 30, 1965, and October 1, 1965, to September 30, 1970, also includes lists of annual and special reports published as water-supply papers.

Records through September 1950 for the area covered by this report have been compiled and published in Water-Supply Papers 1309 (6A) and 1310(6B); records for October 1950 to September 1960 have been compiled and published in Water-Supply Papers 1729(6A) and 1730(6B). These reports contain summaries of monthly and annual discharge and month-end storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station.

Nebraska streamflow records for October 1960 to September 1965 have been published in Water-Supply Papers 1917, 1918, and 1919. Records for October 1965 to September 1970 have been published in Water-Supply Papers 2117, 2118, and 2119. These reports contain values of daily discharge, summaries of monthly and annual discharge, and month-end storage for all records previously published in the annual series of State reports. All records were re-examined and revised where warranted.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Data collected at partial-record stations and at miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

More detailed information than that published for most of the gaging stations, such as discharge measurements, gage-height records and rating tables, is on file in the district office. Many gaging-station records in Nebraska through 1974 have been analyzed to give several statistical summaries: (1) the number of days in each year that the daily discharge was between selected limits (duration tables); (2) the lowest mean discharge for selected numbers of consecutive days in each year; and (3) the highest mean discharge for selected numbers of consecutive days in each year.

At or near some gaging stations, water-quality records also are collected. Data are obtained on the chemical quality of the stream water, on water temperature, on suspended-sediment concentration, and on the particle-size distribution of suspended sediment and bed material. These data are given in Part 2 of this report. Under the "REMARKS" paragraph of the gaging-station description, reference is made to water-quality records collected on a regular basis.

Records of discharge collected by agencies other than the Geological Survey

Records of daily diversions of water from streams by canals are collected by and published in Hydrographic Reports of the Nebraska Department of Water Resources. Also published therein are discharge records for Nebraska streams and storage records for Nebraska reservoirs which are not published in reports of the U.S. Geological Survey. Copies of the Hydrographic Reports may be obtained by addressing the Nebraska Department of Water Resources, Capitol Building, P.O. Box No. 94607, Lincoln, Nebraska 68509.

Records of discharge not published by the Geological Survey were collected in Nebraska at three sites by Corps of Engineers, U.S. Army. The Office of Water Data Coordination, Water Resources Division, U.S. Geological Survey, Reston, Va., 22092, maintains an index of these sites. Information on records at specific sites can be obtained from that office upon request.

EXPLANATION OF WATER QUALITY RECORDS

Collection and examination of data

Samples of surface water ordinarily were obtained at or near gaging stations because water-discharge data are essential for computation and interpretation of water quality records. Samples taken daily were collected by local observers trained and supervised by personnel of the Geological Survey. Samples taken less frequently than daily generally were collected by Geological Survey personnel or by personnel of cooperating agencies.

Samples of ground water were taken at or near the points of well discharge, mostly by personnel of the Geological Survey or cooperating agencies. All samples were taken in containers provided by the Geological Survey. Wells were pumped at least several minutes before sampling to insure that water sampled had not stood for any significant period in the well casing.

Prior to the 1968 water year, data for chemical constituents and concentrations of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per litre (mg/l; MG/L in computer-generated tables) or in micrograms per litre (μg/l; UG/L in computer-generated tables). Water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre.

Solutes

Most methods of collecting and analyzing water samples are described in a manual by Brown, Skougstad, and Fishman (1970). Methods for determining elementary constituents by emission spectrographic techniques

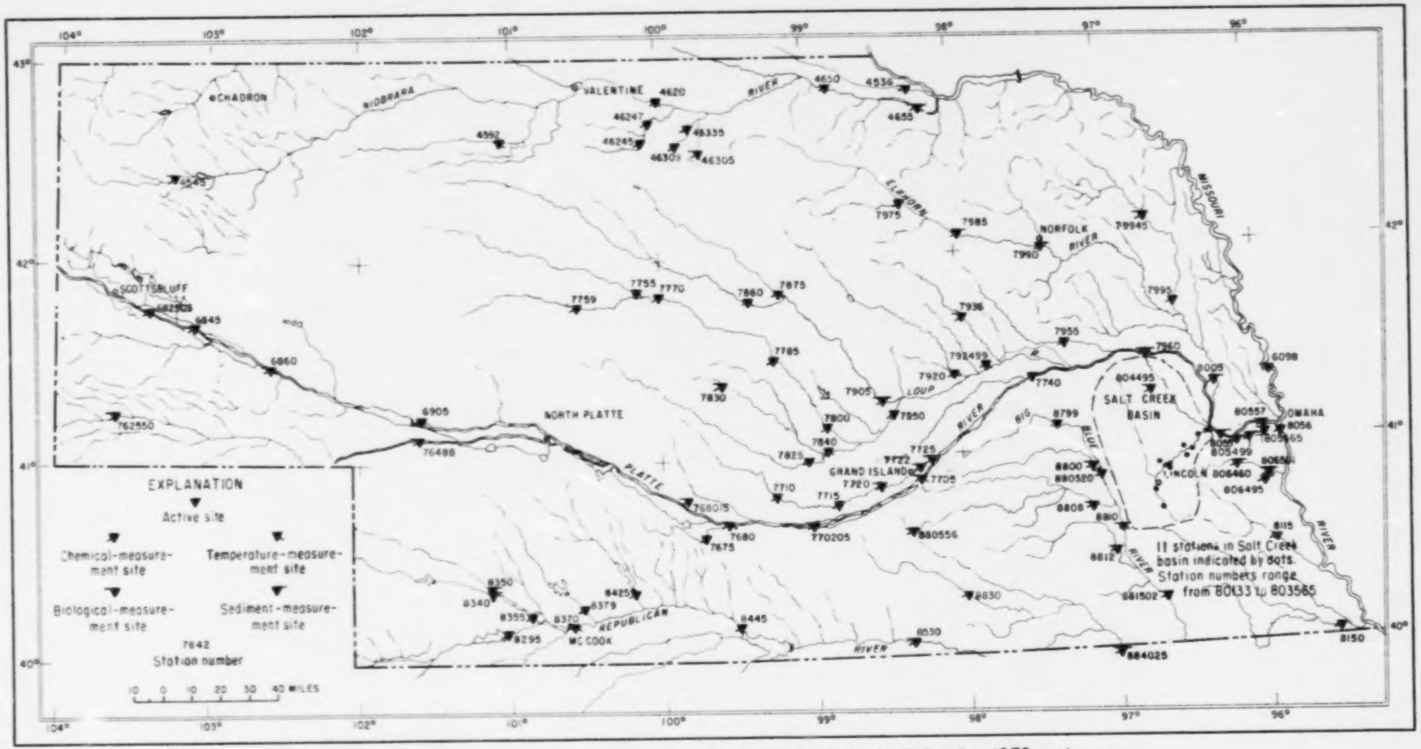
104°
103°
102°
101°
100°
99°
98°
97°
96°
43°
42°
41°
40°
CHADRON
NIOBRARA
VALENTINE
RIVER
4620
4650
4536
4655
46247
46335
46245
46307
46305
4592
4545
ELKHORN
7975
7985
NORFOLK
7990
RIVER
79945
MISSOURI
7995
6098
SCOTTSBLUFF
6845
6860
7759
7755
7770
7860
7875
7936
7955
7960
8005
7785
7920
792499
7905
LOUP
7740
804495
SALT CREEK
BASIN
80557
OMAHA
8056
805565
805499
806460
806495
LINCOLN
7830
7850
7800
7840
7825
6905
NORTH PLATTE
76488
762550
GRAND ISLAND
7722
7725
7720
7705
7710
7715
RIVER
BIG
8799
BLUE
8800
880520
8808
8810
8812
RIVER
PLATTE
768015
7680
7675
770205
880556
8115
11 stations in Salt Creek basin indicated by dots. Station numbers range from 80133 to 803565
881502
8830
8350
8340
8355
8370
8379
8425
REPUBLICAN
8295
MC COOK
8445
8530
RIVER
884025
8150
EXPLANATION
Active site
Chemical-measurement site
Temperature-measurement site
Biological-measurement site
Sediment-measurement site
7642
Station number
10
0
10
20
30
40 MILES

Figure 1.--Map showing locations of surface water-quality stations in Nebraska, 1975 water year.

are described by Barnett and Mallory (1971). Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar (1967), Lamar, Goerlitz, and Law (1965), and Goerlitz and Brown (1972). Collection and analysis of aquatic, biological, and microbial samples are described by Slack, et al., (1973).

Temperature

Water temperatures were measured at most of the water-quality stations and are reported in degrees Celsius (°C). To convert degrees Celsius to Fahrenheit, multiply by 1.8 and add 32. For daily stations, the water temperatures were taken at about the same time each day in order that the data would be relatively unaffected by diurnal variations in temperature. Most large swiftly flowing streams probably have a small diurnal variation in water temperature, whereas sluggish or shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. The thermometers used for determining the water temperature were accurate to plus or minus 0.5°C.

At stations where thermographs are located, the records consist of maximum and minimum temperatures for each day and the monthly averages of maximum daily and minimum daily temperatures.

Sediment

In general, where daily records are given, suspended-sediment samples were taken by local observers using U.S. D-43, D-49, or DH-59 depth-integrating cable or line-suspended samplers. During periods of low flow, however, some samples may have been taken with DH-48 hand samplers. Where concentrations of suspended sediment are reasonably uniform across a stream, observers samples were taken from a single vertical at a fixed point. However, where concentrations differed widely across a stream, observers samples were taken at two or more verticals to define the average concentration more accurately.

Sampling frequency at "so-called" daily stations was variable. During periods of uniform low flow, when only small amounts of sediment were in transport, samples were obtained less frequently than daily. Conversely, during periods of high flow, when large amounts of sediment were likely to be in transport, samples may have been taken more frequently than daily. Samples were taken at daily stations at irregular intervals by professional personnel using the ETR (Equal Transit Rate) method.

In the ETR method, samples are obtained with an integrating sampler at about 15-20 equally spaced verticals across the stream. Because the vertical transit rate is kept constant at all verticals, the composite of the samples from the 15-20 verticals is a sample properly weighted for differences in discharge distribution across the stream. Monthly or periodic suspended-sediment samples generally were taken by this method.

For some periods when no samples were collected, daily loads of suspended sediment were estimated from water discharge, concentrations preceding and following the period, and loads for other periods of similar water discharge. Also considered were weather conditions and sediment discharges for other stations.

The particle-size distribution of suspended sediment was determined periodically for many stations, and that of bed material was determined for some stations.

Parameter codes

In most of the column headings of this report the names of the constituents or properties for which data are given are followed by five-digit codes which appear in parentheses. These codes, called parameter codes, are identical to those introduced or approved by the U.S. Environmental Protection Agency and are widely used by federal and state agencies. The codes indicate, to one having a key, more precisely than the verbal column headings can the constituents or properties being reported. Data listed under a given code in this report should be comparable to those listed under the same code by other agencies.

State boundary stations

Data from several sampling stations located at or near the boundaries of Nebraska and operated in 1975 by U.S. Geological Survey WRD personnel from offices in adjoining states may be found in the 1975 "Water Resources Data" report published by U.S. Geological Survey District offices in those states. Station names and the District offices from which the reports are available are:

06764200 South Platte River near Julesburg, Colo.	District Chief, WRD U.S. Geological Survey Mail Stop 415, Box 25046 Denver Federal Center Lakewood, Colo. 80225

06486000	Missouri River at Sioux City, Ia.	District Chief, WRD U.S. Geological Survey P.O. Box 1230 Iowa City, Iowa 52240
06601200	Missouri River at Decatur, Nebr.	
06610000	Missouri River at Omaha, Nebr.	
06807000	Missouri River at Nebraska City, Nebr.	
06846500	Beaver Creek at Cedar Bluffs, Kans.	District Chief, WRD U.S. Geological Survey 1950 Avenue A, Campus West Lawrence, Kans. 66045
06848500	Prairie Dog Creek near Woodruff, Kans.	
06674500	North Platte River at Wyoming-State line	District Chief, WRD U.S. Geological Survey 4015 Warren Ave. P.O. Box 2087 Cheyenne, Wyo. 82001

Table 1.--Factors for conversion of chemical constituents in milligrams per litre to milliequivalents per litre

Ion	Factor	Ion	Factor
Aluminum (Al^{+3}).......	0.11119	Iodide (I^{-1})..........	0.00788
Ammonia as NH_4^{+1}......	.05544	Iron (Fe^{+3})...........	.05372
Barium (Ba^{+2}).........	.01456	Lead (Pb^{+2})...........	.00965
Bicarbonate (HCO_3^{-1})..	.01639	Lithium (Li^{+1})........	.14411
Bromide (Br^{-1})........	.01251	Magnesium (Mg^{+2})......	.08226
Calcium (Ca^{+2})........	.04990	Manganese (Mn^{+2})......	.03640
Carbonate (CO_3^{-2}).....	.03333	Nickel (Ni^{+2}).........	.03406
Chloride (Cl^{-1}).......	.02821	Nitrate (NO_3^{-1}).......	.01613
Chromium (Cr^{+6}).......	.11539	Nitrite (NO_2^{-1}).......	.02174
Cobalt (Co^{+2}).........	.03394	Phosphate (PO_4^{-3}).....	.03159
Copper (Cu^{+2}).........	.03148	Potassium (K^{+1}).......	.02557
Cyanide (CN^{-1})........	.03844	Sodium (Na^{+1}).........	.04350
Fluoride (F^{-1})........	.05264	Strontium (Sr^{+2})......	.02283
Hydrogen (H^{+1})........	.99209	Sulfate (SO_4^{-2}).......	.02082
Hydroxide (OH^{-1})......	.05880	Zinc (Zn^{+2})...........	.03060

NOTE: For constituent reported in micrograms per litre, multiply by the factor and then divide result by 1,000.

Table 2.--Factors for conversion of sediment concentration in milligrams per litre to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.00 g/ml and a specific gravity of sediment of 2.65.

Table 3.--Reports in which ground-water records are published

Years of reports and number of chemical analyses in each

County	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Adams.......	0	0	9	0	2	2	0	4	6	2	2
Antelope....	11	16	4	9	3	2	2	0	0	0	2
Arthur......	0	0	0	0	4	0	0	0	0	1	0
Banner......	0	0	13	0	0	0	0	0	1	4	0
Blaine......	0	1	0	0	3	0	0	0	0	2	0
Boone.......	0	20	0	0	2	0	0	0	0	1	0
Box Butte...	0	0	28	0	0	0	2	0	0	0	0
Boyd........	0	4	0	0	7	0	22	0	0	0	0
Brown.......	0	12	0	0	1	0	1	0	0	0	0
Buffalo.....	41	33	8	7	4	10	2	0	6	75	41
Burt........	11	8	4	2	4	2	0	0	0	0	2
Butler......	0	5	14	6	2	1	0	0	1	0	0
Cass........	0	7	0	0	6	0	0	0	0	0	0
Cedar.......	0	14	0	1	3	0	3	0	0	0	0
Chase.......	0	0	32	0	0	0	1	0	2	10	0
Cherry......	0	0	23	0	0	0	0	0	0	4	0
Cheyenne....	3	0	52	0	0	0	0	0	1	3	0
Clay........	0	0	48	0	2	2	0	6	8	3	3
Colfax......	0	1	0	2	1	1	0	0	0	0	1
Cuming......	19	18	12	10	7	5	0	0	0	0	4
Custer......	0	17	0	0	2	0	0	1	0	3	0
Dakota......	0	1	0	0	4	0	0	0	0	0	0
Dawes.......	0	0	5	0	0	0	4	0	0	0	0
Dawson......	34	26	6	6	3	9	1	0	4	33	16
Deuel.......	0	0	13	0	0	0	0	0	0	1	0
Dixon.......	0	6	0	1	3	0	0	0	0	0	0
Dodge.......	31	22	14	10	9	5	0	0	0	0	11
Douglas....	6	8	2	2	15	2	0	0	0	0	1
Dundy.......	0	0	10	0	0	0	0	0	2	7	0
Fillmore....	0	0	73	0	2	3	0	6	9	3	3
Franklin....	0	0	16	0	2	0	1	0	0	0	0
Frontier....	0	0	4	0	0	0	0	0	0	0	0
Furnas......	0	0	6	0	0	0	0	0	0	0	0
Gage........	0	0	5	0	5	1	0	0	1	0	0
Garden......	0	0	3	0	1	0	0	0	0	1	0
Garfield....	0	2	0	0	2	0	0	0	0	1	0
Gosper......	0	0	6	0	4	0	0	0	0	0	0
Grant.......	0	0	2	0	2	0	0	0	0	2	0
Greeley.....	0	11	0	0	1	0	0	0	0	11	6

Table 3.--Reports in which ground-water records are published--Continued

	Years of reports and number of chemical analyses in each										
County	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Hall........	73	56	20	16	11	23	72	28	12	78	55
Hamilton....	0	41	0	0	26	2	0	4	6	2	2
Harlan......	0	0	3	0	2	0	2	0	0	0	0
Hayes.......	0	0	4	0	0	0	0	0	0	0	0
Hitchcock...	0	0	5	0	0	0	0	0	0	0	0
Holt........	82	124	27	7	1	0	5	29	0	0	16
Hooker......	0	0	2	0	2	0	0	0	0	2	0
Howard......	0	13	0	0	2	1	0	0	0	11	8
Jefferson...	0	0	53	0	2	2	0	0	2	0	0
Johnson.....	0	0	3	0	6	0	0	0	0	0	0
Kearney.....	0	0	19	0	12	8	0	5	0	0	1
Keith.......	0	0	24	0	0	0	0	0	0	0	0
Keya Paha...	12	18	5	0	1	0	3	6	0	0	3
Kimball.....	0	0	9	0	0	0	0	0	1	0	0
Knox........	6	13	2	2	4	0	5	2	0	0	1
Lancaster...	0	64	0	0	1	3	0	0	39	2	3
Lincoln.....	0	0	6	0	0	0	0	0	0	0	0
Logan.......	0	0	1	0	3	0	0	0	0	1	0
Loup........	0	1	0	0	4	0	0	0	0	2	0
McPherson...	0	0	0	0	4	0	0	0	2	0	0
Madison.....	43	38	14	7	8	6	0	0	0	0	6
Merrick.....	53	44	10	6	6	14	0	0	7	40	28
Morrill.....	0	0	15	0	0	0	0	0	0	2	0
Nance.......	0	40	0	0	1	0	0	0	0	7	5
Nemaha......	0	0	0	0	6	0	0	0	0	0	0
Nuckolls....	0	0	12	0	2	0	0	0	0	0	0
Otoe........	0	1	0	0	6	0	0	0	0	0	0
Pawnee......	0	0	0	0	6	0	0	0	0	0	0
Perkins.....	0	0	8	0	0	0	0	0	0	10	0
Phelps......	0	0	9	0	23	28	0	17	0	0	1
Pierce......	4	16	2	6	22	1	1	0	0	0	0
Platte......	19	11	6	3	3	2	0	0	0	1	2
Polk........	0	9	0	0	1	2	0	4	5	2	2
Red Willow..	0	0	5	0	0	0	0	0	0	0	0
Richardson..	0	0	5	0	5	0	0	0	0	0	0
Rock........	0	3	0	1	2	0	0	0	0	1	0
Saline......	0	0	34	0	2	1	0	2	3	1	1
Sarpy.......	5	4	0	0	5	0	0	0	0	0	0
Saunders....	1	11	6	4	1	2	0	0	0	0	1

Table 3.--Reports in which ground-water records are published--Continued

County	Years of reports and number of chemical analyses in each										
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Scotts Bluff	0	0	32	0	0	0	1	0	0	3	0
Seward......	0	5	0	0	2	1	0	4	6	2	2
Sheridan....	0	0	50	0	0	0	1	0	0	1	0
Sherman.....	0	7	0	0	2	0	0	0	0	1	0
Sioux.......	0	0	17	0	0	0	1	0	0	0	0
Stanton.....	14	29	6	3	4	2	0	0	0	0	2
Thayer.....	0	0	7	0	2	1	0	0	1	1	0
Thomas......	0	0	4	0	1	0	0	0	0	1	0
Thurston....	8	10	6	2	4	1	0	0	0	0	1
Valley......	0	13	0	0	1	0	0	0	1	17	24
Washington..	3	6	2	3	3	1	0	0	0	0	1
Wayne.......	0	6	0	2	1	0	0	0	0	0	0
Webster.....	0	0	11	0	2	0	0	0	0	0	0
Wheeler.....	0	4	0	0	1	0	0	0	0	1	0
York........	0	31	0	0	6	19	0	6	8	3	3

Publications

The table below shows the annual series of water-supply papers that give information on the quality of surface waters in Nebraska.

U.S. Geological Survey, Quality of surface waters of the United States; water years 1941-49: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1941	942	1944	1022	1947	1102
1942	950	1945	1030	1948	1132
1943	970	1946	1050	1949	1162

U.S. Geological Survey, Quality of surface waters of the United States; Parts 5-6, Hudson Bay and Upper Mississippi River basins, and Missouri River basin; water years 1950-71: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1950	1187	1958	1572	1966	1993
1951	1198	1959	1643	1967	2013
1952	1251	1960	1743	1968	2095
1953	1291	1961	1883	1969	2145
1954	1351	1962	1943	1970	2155
1955	1401	1963	1949	1971	AB2165
1956	1451	1964	1956		
1957	1521	1965	1963		

A In preparation.
B Part 6.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude as described under the section entitled "WELL NUMBERS," and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is

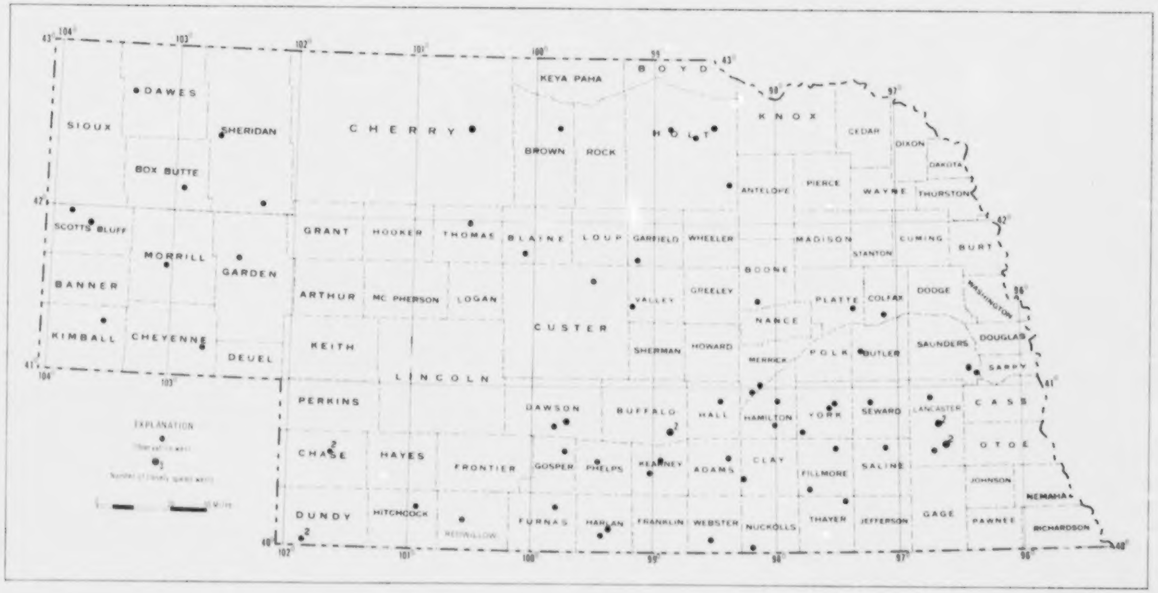
SIOUX
DAWES
SHERIDAN
BOX BUTTE
CHERRY
KEYA PAHA
BOYD
BROWN
ROCK
HOLT
KNOX
CEDAR
DIXON
DAKOTA
ANTELOPE
PIERCE
WAYNE
THURSTON
SCOTTS BLUFF
MORRILL
GARDEN
BANNER
KIMBALL
CHEYENNE
DEUEL
GRANT
HOOKER
THOMAS
BLAINE
LOUP
GARFIELD
WHEELER
MADISON
STANTON
CUMING
BURT
ARTHUR
MC PHERSON
LOGAN
CUSTER
VALLEY
GREELEY
BOONE
PLATTE
COLFAX
DODGE
WASHINGTON
NANCE
KEITH
LINCOLN
SHERMAN
HOWARD
MERRICK
POLK
BUTLER
SAUNDERS
DOUGLAS
SARPY
PERKINS
DAWSON
BUFFALO
HALL
HAMILTON
YORK
SEWARD
LANCASTER
CASS
CHASE
HAYES
FRONTIER
GOSPER
PHELPS
KEARNEY
ADAMS
CLAY
FILLMORE
SALINE
OTOE
JOHNSON
NEMAHA
DUNDY
HITCHCOCK
RED WILLOW
FURNAS
HARLAN
FRANKLIN
WEBSTER
NUCKOLLS
THAYER
JEFFERSON
GAGE
PAWNEE
RICHARDSON
43°
104°
103°
102°
101°
100°
99°
98°
97°
96°
42°
41°
40°
EXPLANATION
Observation well
Number of closely spaced wells
Miles

Figure 2.--Map showing locations of observation wells.

approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Publications

Publication of ground-water level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for Nebraska are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1942	946	1949	1158	1956	1456
1936	817	1943	988	1950	1167	1957-61	1781
1937	840	1944	1018	1951	1193	1962-66	1976
1938	845	1945	1025	1952	1223	1967-71	2090
1939	886	1946	1073	1953	1267	1972-74	(In preparation)
1940	908	1947	1098	1954	1323		
1941	938	1948	1128	1955	1406		

Water-level measurements made in selected wells in the various observation-well networks in Nebraska have been published annually since 1957 in the following Nebraska Water Survey Papers by the Conservation and Survey Division of the University of Nebraska-Lincoln.

Calendar year	Nebraska Water Survey Paper	Calendar year	Nebraska Water Survey Paper
1957	4	1966	20
1958	5	1967	23
1959	6	1968	24
1960	9	1969	26
1961	12	1970	28
1962	13	1971	33
1963	14	1972	34
1964	17	1973	36
1965	18	1974	40

Information about other reports and data on ground water in Nebraska may be obtained from the district office, at the address given on page IV.

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FACTORS FOR CONVERTING ENGLISH UNITS TO INTERNATIONAL SYSTEM (SI) UNITS

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
acres	4047	square metres (m^2)
	.4047	hectares (ha)
	.4047	square hectometres (hm^2)
	.004047	square kilometres (km^2)
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
gallons (gal)	3.785	litres (l)
	3.785	cubic decimetres (dm^3)
	3.785×10^{-3}	cubic metres (m^3)
million gallons (10^6 gal)	3785	cubic metres (m^3)
	3.785×10^{-3}	cubic hectometres (hm^3)
cubic feet (ft^3)	28.32	cubic decimetres (dm^3)
	.02832	cubic metres (m^3)
cfs-day (ft^3/s-day)	2447	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm^3/s)
	.02832	cubic metres per second (m^3/s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm^3/s)
	6.309×10^{-5}	cubic metres per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm^3/s)
	.04381	cubic metres per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

SECTION 1. SURFACE-WATER RECORDS

WHITE RIVER BASIN

06444000 White River at Crawford, Nebr.

LOCATION.--Lat 42°41'33", long 103°25'03", in W1/2 sec.3, T.31 N., R.52 W., Dawes County, on right bank 15 ft (5 m) downstream from bridge in city park at Crawford.

DRAINAGE AREA.--313 mi^2 (811 km^2).

PERIOD OF RECORD.--February 1931 to September 1943, October 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,659.85 ft (1,115.522 m) above mean sea level. Feb. 25, 1931, to Oct. 2, 1933, nonrecording gage at old highway bridge 0.5 mi (0.8 km) upstream at different datum and Oct. 3, 1933, to Sept. 30, 1943, 1 mi (2 km) upstream at different datum.

AVERAGE DISCHARGE.--40 years, 20.2 ft^3/s (0.572 m^3/s), 14,630 acre-ft/yr (18.0 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 714 ft^3/s (20.2 m^3/s) June 19, gage height, 6.66 ft (2.030 m), from floodmarks; minimum daily 8.5 ft^3/s (0.24 m^3/s) Aug. 29 to Sept. 2.
Period of record: Maximum discharge, 1,580 ft^3/s (44.7 m^3/s) Mar. 15, 1948, gage height, 6.88 ft (2.097 m); maximum gage height, 7.7 ft (2.35 m) July 10, 1958, from floodmarks; minimum daily discharge, 2.7 ft^3/s (0.076 m^3/s) Aug. 13, 31, Sept. 1, 1960.

REMARKS.--Records good except those for winter period, which are poor. Some regulation at low flows by pumps for irrigation and diversion for water supply for town of Crawford.

REVISIONS (WATER YEARS).--WSP 1309: 1931(M), 1942(M). WSP 1729: 1958-59(M). WSP 1917: 1958-59.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	22	20	20	20	24	30	24	22	16	12	8.5
2	17	23	23	20	22	24	40	24	21	15	13	8.5
3	16	23	23	20	18	25	30	24	20	14	11	8.7
4	15	22	23	22	18	24	28	23	21	14	11	8.7
5	18	21	23	18	18	25	34	23	20	16	10	8.7
6	20	19	24	18	18	25	31	23	18	18	10	8.7
7	18	19	22	18	16	24	30	23	19	19	10	8.7
8	18	19	22	16	16	24	43	23	19	18	9.7	8.7
9	18	19	22	20	14	24	35	24	19	19	9.7	8.7
10	18	19	21	20	16	23	31	23	18	39	9.7	8.7
11	18	18	21	20	16	24	28	24	18	18	9.7	10
12	18	19	21	26	20	24	28	28	17	16	9.3	12
13	19	19	20	18	20	24	27	32	17	14	10	11
14	19	19	20	22	22	25	27	27	17	13	12	11
15	20	20	20	28	24	25	27	25	17	16	12	10
16	21	19	22	35	26	26	27	25	16	14	32	10
17	21	20	22	30	23	30	27	25	16	13	12	10
18	22	20	23	23	28	28	26	24	18	12	12	10
19	21	20	22	24	25	27	25	24	148	12	12	11
20	21	20	22	23	23	28	25	23	39	11	11	11
21	22	21	22	23	20	25	25	25	32	11	11	12
22	22	21	22	23	24	24	25	29	27	11	29	12
23	21	21	18	23	26	24	24	29	25	12	10	12
24	22	21	20	24	27	23	24	25	24	11	9.3	12
25	22	21	22	24	28	24	23	23	21	12	9.0	12
26	22	22	22	24	24	24	23	22	39	11	9.3	12
27	22	21	22	22	22	18	23	22	20	10	9.0	12
28	21	21	22	20	23	18	31	22	20	10	8.7	13
29	21	20	20	18	---	20	27	22	19	10	8.5	13
30	21	20	18	18	---	25	25	22	17	9.7	8.5	13
31	23	---	18	18	---	34	---	22	---	9.7	8.5	---
TOTAL	616	609	662	678	597	762	849	754	763	443.4	359.9	315.6
MEAN	19.9	20.3	21.4	21.9	21.3	24.6	28.3	24.3	25.4	14.3	11.6	10.5
MAX	23	23	24	35	28	34	43	32	148	39	32	13
MIN	15	18	18	16	14	18	23	22	16	9.7	8.5	8.5
AC-FT	1220	1210	1310	1340	1180	1510	1680	1500	1510	879	712	626

CAL YR 1974 TOTAL 7617.0 MEAN 20.9 MAX 136 MIN 9.1 AC-FT 15110
WTR YR 1975 TOTAL 7407.9 MEAN 20.3 MAX 148 MIN 8.5 AC-FT 14690

PEAK DISCHARGE (BASE, 100 FT^3/S).--June 19 (0830) 714 ft^3/s (6.66 ft).

06445590 Big Bordeaux Creek near Chadron, Nebr.

LOCATION.--Lat 42°43'30", long 102°55'44", in NW1/4NW1/4 sec.26, T.32 N., R.48 W., Dawes County, Nebraska National Forest-Pine Ridge Division, on right bank 4.2 mi (6.8 km) northeast of Chadron State Park headquarters and 8 mi (13 km) southeast of Chadron.

DRAINAGE AREA.--9.42 mi² (24.40 km²).

PERIOD OF RECORD.--June 1968 to current year.

GAGE.--Water-stage recorder.

AVERAGE DISCHARGE.--7 years, 0.46 ft³/s (0.0130 m³/s), 333 acre-ft/yr (0.411 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 8.5 ft³/s (0.24 m³/s) July 22, gage height, 2.11 ft (0.643 m); maximum gage height, 2.43 ft (0.741 m) Feb. 7, backwater from ice; no flow Mar. 28.

Period of record: Maximum discharge, 400 ft³/s (11.3 m³/s) July 20, 1969, gage height, 4.89 ft (1.490 m), from rating curve extended above 13 ft³/s (0.37 m³/s) on basis of slope-area measurement of peak flow; No flow Dec. 10-16, 1972, Jan. 6-12, 1973, Mar. 28, 1975.

REMARKS.--Records good, except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.22	.30	.30	.35	.55	1.0	.78	.64	.41	.22	.04
2	.20	.22	.35	.30	.40	.55	.80	.78	.60	.37	.20	.04
3	.20	.24	.40	.30	.37	.55	.73	.73	.60	.32	.14	.03
4	.17	.24	.37	.30	.30	.50	.85	.73	.60	.32	.14	.03
5	.20	.32	.37	.32	.25	.64	.73	.69	.60	.32	.14	.04
6	.20	.32	.37	.32	.25	.55	.69	.69	.55	.30	.14	.04
7	.20	.37	.37	.32	.25	.41	1.3	.69	.55	.32	.12	.04
8	.22	.32	.37	.30	.30	.50	1.2	.69	.55	.32	.12	.04
9	.20	.32	.37	.30	.35	.46	1.0	.69	.55	.27	.12	.04
10	.20	.32	.34	.30	.40	.46	.92	.69	.55	.27	.12	.04
11	.20	.32	.31	.30	.37	.46	.85	.69	.50	.27	.10	.04
12	.22	.32	.30	.25	.37	.32	.85	.85	.50	.24	.07	.05
13	.22	.32	.46	.30	.37	.46	.85	.85	.50	.22	.07	.05
14	.22	.32	.37	.40	.32	.55	.85	.78	.50	.22	.10	.05
15	.22	.32	.41	.30	.30	.60	.78	.73	.46	.22	.12	.05
16	.22	.32	.32	.27	.37	.60	.78	.69	.46	.20	.17	.05
17	.22	.32	.32	.24	.32	1.2	.78	.64	.41	.20	.14	.05
18	.20	.32	.32	.24	.32	.78	.78	.64	.54	.20	.17	.05
19	.22	.32	.32	.24	.32	.85	.73	.64	.64	.20	.17	.05
20	.22	.35	.32	.24	.32	.85	.73	.64	.55	.20	.14	.05
21	.22	.37	.32	.27	.32	.78	.73	.64	.55	.17	.14	.07
22	.22	.37	.30	.27	.32	.78	.73	.69	.55	.47	.17	.07
23	.22	.37	.30	.30	.32	.69	.69	.85	.55	.27	.12	.10
24	.22	.41	.28	.30	.41	.65	.69	.73	.50	.22	.12	.10
25	.22	.37	.30	.30	.46	.62	.69	.69	.55	.22	.12	.10
26	.22	.32	.35	.32	.41	.25	.69	.69	.55	.20	.12	.10
27	.22	.31	.35	.30	.41	.01	.74	.64	.46	.20	.12	.14
28	.22	.30	.40	.30	.55	0	1.5	.64	.46	.20	.12	.17
29	.22	.30	.32	.35	---	.50	.92	.64	.46	.17	.07	.12
30	.24	.30	.32	.40	---	.80	.85	.64	.41	.14	.07	.12
31	.24	---	.32	.35	---	1.0	---	.64	---	.14	.05	---
TOTAL	6.61	9.54	10.62	9.30	9.80	17.92	25.43	21.80	15.89	7.79	3.93	1.96
MEAN	.21	.32	.34	.30	.35	.58	.85	.70	.53	.25	.13	.065
MAX	.24	.41	.46	.40	.55	1.2	1.5	.85	.64	.47	.22	.17
MIN	.17	.22	.28	.24	.25	0	.69	.64	.41	.14	.05	.03
AC-FT	13	19	21	18	19	36	50	43	32	15	7.8	3.9

CAL YR 1974 TOTAL 152.55 MEAN .42 MAX 1.7 MIN .04 AC-FT 303
WTR YR 1975 TOTAL 140.59 MEAN .39 MAX 1.5 MIN 0 AC-FT 279

PEAK DISCHARGE (BASE, 2.0 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4- 7	2330	1.58	2.1	6-18	2300	1.70	3.2
4-28	0300	1.72	3.3	7-22	1730	2.11	8.5

06453500 Ponca Creek at Anoka, Nebr.

LOCATION.--Lat 42°56'25", long 98°50'30", in NE1/4 sec.9, T.34 N., R.13 W., Boyd County, on downstream side of left pier of bridge on State Highway 11, 0.5 mi (0.8 km) southwest of Anoka and 0.5 mi (0.8 km) upstream from Dry Creek.

DRAINAGE AREA.--505 mi² (1,308 km²).

PERIOD OF RECORD.--March 1949 to current year.

GAGE.--Water-stage recorder for stages above 0.4 ft (0.12 m) and nonrecording gage read twice daily. Altitude of gage is 1,630 ft (497 m), from topographic map. Prior to Sept. 13, 1950, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--26 years, 49.3 ft³/s (1.396 m³/s), 35,720 acre-ft/yr (44.0 hm³/yr); median of yearly mean discharges, 35 ft³/s (0.991 m³/s), 25,400 acre-ft/yr (31.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 187 ft³/s (5.30 m³/s) Apr. 8, gage height, 3.34 ft (1.018 m); maximum gage height, 4.71 ft (1.436 m) Mar. 17, backwater from ice; no flow for many days.
Period of record: Maximum discharge, 9,810 ft³/s (278 m³/s) Mar. 27, 1960, gage height, 16.86 ft (5.139 m); no flow at times in 1949-50, 1955-62, 1965-71, 1974, 1975.

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS.--WSP 2117: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	1.6	.90	.10	.90	3.0	12	11	2.4	.80	0	
2	.14	1.6	.80	.10	.80	3.2	13	12	2.4	.80	0	
3	.14	1.6	.80	.10	.80	3.4	17	18	2.2	.90	0	
4	.18	1.6	1.0	.10	.80	3.9	22	23	2.7	.90	0	
5	.18	1.7	1.2	.10	.60	4.4	31	17	2.2	.90	0	
6	.26	1.6	1.1	.10	.30	4.3	80	11	2.0	.80	0	
7	.35	1.6	.80	.10	.30	4.5	120	10	2.0	.50	0	
8	.35	1.6	.80	.10	.60	5.2	152	7.2	5.7	.55	0	
9	.35	1.6	1.1	.20	.60	4.9	172	6.0	11	.50	0	
10	.35	1.6	.70	.10	.70	5.0	114	11	9.0	.50	0	
11	.35	1.6	.70	.20	.70	4.6	65	28	9.6	.50	0	
12	.40	1.6	1.2	.20	.80	4.8	52	40	7.8	.18	0	
13	.45	1.6	.80	.20	.70	4.9	44	26	6.0	.26	0	
14	.50	1.6	1.0	.30	.70	5.0	37	18	8.4	.18	0	
15	.55	1.7	1.2	.20	.70	5.4	34	11	8.4	.14	0	
16	.50	1.6	1.6	.30	.80	7.0	33	7.8	11	0	3.0	
17	.45	1.6	1.2	.30	.70	30	38	6.6	15	0	1.3	
18	.40	1.6	1.2	.30	.70	50	32	5.2	20	0	.55	
19	.55	1.6	1.4	.30	.90	45	29	4.6	29	0	.30	
20	.50	1.6	1.1	.30	.90	39	23	4.1	22	0	.06	
21	.50	1.6	1.0	.30	1.1	30	21	4.1	19	0	.04	
22	.60	1.6	1.1	.50	1.3	25	19	4.1	20	.10	.26	
23	.70	1.7	1.2	.50	1.3	22	25	4.1	19	2.0	0	
24	.70	1.7	.30	.60	1.4	20	28	4.1	14	1.2	0	
25	.75	1.6	.10	.60	1.8	19	20	3.8	5.7	.40	0	
26	.90	1.7	.20	.70	1.9	17	19	3.6	4.9	0	0	
27	1.1	1.6	.20	.80	2.4	19	17	3.6	4.1	0	0	
28	1.1	.40	.30	.70	2.7	18	15	3.2	1.8	0	0	
29	1.2	.50	.30	.70	---	17	13	3.2	1.2	0	0	
30	1.3	1.0	.20	.70	---	16	11	2.7	1.0	0	0	
31	1.5	---	.10	.80	---	15	---	2.7	---	0	0	---
TOTAL	17.36	45.60	25.60	10.60	27.90	455.5	1304	316.7	269.5	12.11	5.51	0
MEAN	.56	1.52	.83	.34	1.00	14.7	43.5	10.2	8.98	.39	.18	0
MAX	1.5	1.7	1.6	.80	2.7	50	172	40	29	2.0	3.0	0
MIN	.06	.40	.10	.10	.30	3.0	11	2.7	1.0	0	0	0
AC-FT	34	90	51	21	55	903	2590	628	535	24	11	0

CAL YR 1974 TOTAL 6268.25 MEAN 17.2 MAX 516 MIN 0 AC-FT 12430
WTR YR 1975 TOTAL 2490.38 MEAN 6.82 MAX 172 MIN 0 AC-FT 4940

PEAK DISCHARGE (BASE, 500 FT³/S).--No peak above base.

06453600 Ponca Creek at Verdel, Nebr.

LOCATION.--Lat 42°48'40", long 98°10'35", in NE1/4NE1/4 sec.30, T.33 N., R.7 W., Knox County, near left bank at left downstream end of bridge on State Highway 12, 0.6 mi (1.0 km) east of Verdel and 3.1 mi (5.0 km) upstream from mouth.

DRAINAGE AREA.--812 mi² (2,103 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder and nonrecording gage read once daily. Datum of gage is 1,232.9 ft (375.79 m) above mean sea level (Nebraska Department of Highways reference marks). See WSP 1917 for history of changes prior to Nov. 15, 1962.

AVERAGE DISCHARGE.--18 years, 77.4 ft³/s (2.192 m³/s), 56,080 acre-ft/yr (69.1 hm³/yr); median of yearly mean discharges, 57 ft³/s (1.614 m³/s), 41,300 acre-ft/yr (50.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 385 ft³/s (10.9 m³/s) June 20, gage height, 3.28 ft (1.000 m); maximum gage height, 3.49 ft (1.064 m) Mar. 18, backwater from ice; no flow for many days.
Period of record: Maximum discharge, 15,700 ft³/s (445 m³/s) Mar. 27, 1960, gage height, 15.10 ft (4.602 m), site and datum then in use; no flow for many days in 1957-60, 1965-72, 1974, 1975.

REMARKS.--Records good except those for winter period, which are poor.

REVISIONS.--WSP 2117: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	6.8	5.2	4.6	4.3	16	44	23	9.1	4.4	0	
2	.09	6.5	5.4	4.8	4.5	16	46	24	9.2	3.1	0	
3	.23	5.8	6.0	4.6	4.6	14	50	51	9.1	2.3	0	
4	.25	6.2	6.6	4.4	4.8	14	60	37	11	2.0	0	
5	.44	5.8	7.2	4.4	4.7	16	70	31	10	1.3	0	
6	1.3	6.4	7.8	4.3	4.6	16	75	32	8.8	.94	0	
7	1.3	6.7	6.8	3.7	4.3	15	167	24	8.7	.80	0	
8	2.4	6.7	6.2	3.7	4.2	12	191	20	15	.76	0	
9	2.7	7.0	6.4	3.8	4.5	13	277	18	53	.76	0	
10	3.5	6.5	6.6	3.9	4.7	12	265	19	51	.70	0	
11	3.6	6.8	7.0	3.8	4.8	13	183	30	27	.76	0	
12	3.0	6.8	7.4	2.0	4.6	12	119	39	21	.73	0	
13	3.7	7.2	7.8	2.1	4.9	11	95	51	15	.69	.04	
14	4.2	7.2	7.4	2.5	5.2	12	91	45	18	.51	0	
15	3.9	7.5	6.4	2.9	5.2	15	80	32	26	.35	0	
16	2.3	8.6	6.2	3.5	5.5	60	71	25	20	.10	.52	
17	3.7	7.9	6.2	3.6	5.7	170	66	20	17	0	7.2	
18	3.2	8.2	6.6	4.2	5.9	180	62	18	40	0	1.7	
19	3.4	8.2	5.0	4.5	6.1	190	53	16	28	0	.56	
20	3.9	7.9	5.4	4.7	6.8	170	47	18	204	0	.20	
21	4.3	7.9	5.0	4.4	7.3	137	40	12	177	0	0	
22	4.1	8.2	5.4	4.0	8.4	107	37	14	92	0	0	
23	4.4	7.5	4.8	3.5	9.6	79	43	14	80	.38	0	
24	4.9	5.6	4.6	3.6	10	74	39	12	45	4.3	0	
25	5.1	6.6	5.2	4.0	11	60	42	11	25	2.6	0	
26	4.8	8.2	4.3	4.0	12	40	35	11	14	.37	0	
27	4.1	6.2	4.8	3.7	13	50	32	10	9.5	.20	0	
28	4.6	5.6	5.0	3.8	14	46	29	11	8.2	0	0	
29	5.5	5.0	5.0	3.7	---	44	25	11	6.2	0	0	
30	6.5	5.0	5.4	4.0	---	50	23	10	4.6	0	0	
31	7.2	---	5.4	4.2	---	50	---	9.3	---	0	0	---
TOTAL	102.61	206.5	184.1	118.8	184.6	1714	2457	696.3	1061.4	28.86	10.24	0
MEAN	3.31	6.88	5.94	3.83	6.59	55.3	81.9	22.4	35.4	.93	.33	0
MAX	7.2	8.6	7.8	4.8	14	190	277	51	204	4.3	7.2	0
MIN	0	5.0	4.3	2.0	4.2	11	23	9.3	4.6	0	0	0
AC-FT	204	410	365	236	366	3400	4870	1380	2110	57	20	0

CAL YR 1974 TOTAL 16478.66 MEAN 45.1 MAX 644 MIN 0 AC-FT 32690
WTR YR 1975 TOTAL 6762.40 MEAN 18.5 MAX 277 MIN 0 AC-FT 13410

PEAK DISCHARGE (BASE, 800 FT³/S).--No peak above base.

06454000 Niobrara River at Wyoming-Nebraska State line

LOCATION.--Lat 42°51'13", long 104°03'54", in SE1/4NE1/4 sec.15, T.33 N., R.60 W., Niobrara County, Wyo., on left bank 0.2 mi (0.3 km) downstream from Van Tassel Creek, 0.3 mi (0.5 km) upstream from Wyoming-Nebraska State line, and 3 mi (5 km) east of Van Tassel, Wyo.

DRAINAGE AREA.--450 mi² (1,170 km²), approximately.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,687.70 ft (1,428.811 m) above mean sea level, datum of 1956.

AVERAGE DISCHARGE.--20 years, 4.34 ft³/s (0.123 m³/s), 3,140 acre-ft/yr (3.87 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 41 ft³/s (1.16 m³/s) Apr. 13, gage height, 2.30 ft (0.701 m); maximum gage height, 5.06 ft (1.542 m) Mar. 22, backwater from snow; minimum daily discharge, 0.54 ft³/s (0.015 m³/s) Aug. 9, 10, 12.

Period of record: Maximum discharge, 800 ft³/s (22.7 m³/s) July 17, 1969, gage height, 6.92 ft (2.109 m) in gage well, 6.75 ft (2.057 m), from floodmarks, from rating curve extended above 63 ft³/s (1.78 m³/s) on basis of computation of peak flow through culvert and over road; minimum daily, 0.54 ft³/s (0.015 m³/s) Aug. 9, 10, 12, 1975.

REMARKS.--Records good. Diversions for irrigation of about 4,770 acres (19.3 km²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.1	3.0	2.9	2.4	2.5	3.0	6.9	2.3	1.9	1.6	.97
2	2.1	2.0	2.0	2.8	2.3	2.4	3.3	6.1	2.7	1.9	1.1	.97
3	2.2	2.0	2.1	2.3	2.3	2.5	3.0	7.0	2.8	1.9	1.1	.97
4	2.2	1.8	2.3	2.3	2.3	2.6	4.5	7.1	3.0	1.7	.97	.97
5	2.0	1.9	2.3	2.2	2.3	3.1	3.0	6.9	2.3	1.8	.90	.97
6	2.4	1.6	2.5	2.1	2.3	3.4	3.0	6.1	2.7	1.4	.77	.90
7	2.5	1.9	2.5	2.7	2.3	2.8	.77	4.7	2.6	2.0	.73	.90
8	2.4	1.9	2.6	2.7	2.3	2.7	4.0	4.1	2.6	1.4	.58	.90
9	2.5	2.0	2.3	2.6	2.3	2.7	5.0	4.1	2.5	1.4	.54	.90
10	2.4	2.1	2.3	2.4	2.1	2.7	7.3	4.2	2.4	1.9	.54	.86
11	2.4	2.1	2.3	3.0	2.1	3.5	4.0	3.9	2.3	1.5	.60	.82
12	2.5	2.1	2.4	3.0	2.2	2.3	9.8	4.2	2.1	1.5	.54	.82
13	2.6	2.4	2.5	2.8	2.3	2.3	17	4.1	2.7	1.5	.65	.82
14	2.5	2.3	2.8	2.5	2.3	2.5	13	4.0	2.1	1.4	.60	.82
15	2.5	2.3	2.5	2.4	2.4	2.0	12	3.7	2.1	1.4	.90	.82
16	2.5	2.3	2.4	2.6	2.4	2.9	12	3.6	2.1	1.4	1.1	.82
17	2.3	2.3	2.6	2.5	2.5	3.1	12	3.5	2.5	1.3	1.2	.82
18	2.4	2.3	2.6	2.7	2.5	3.1	12	3.1	2.5	1.1	1.2	.90
19	2.2	2.4	2.7	2.7	2.5	3.7	10	3.2	2.7	.97	.90	.97
20	2.1	2.3	2.7	2.7	2.4	3.9	9.4	3.0	2.1	.97	.90	1.1
21	2.1	2.3	2.9	2.7	2.5	3.9	8.6	3.0	3.8	1.1	.90	1.2
22	2.0	2.3	3.2	2.7	2.5	3.7	8.0	3.5	4.3	1.5	1.2	1.2
23	1.9	2.6	3.1	2.7	2.7	3.8	7.6	3.2	3.7	1.9	1.1	1.2
24	1.9	2.4	2.8	2.8	2.7	3.0	7.1	2.9	2.8	1.3	.97	1.2
25	1.9	2.5	2.9	2.9	2.6	3.0	5.9	2.9	2.3	1.2	.97	1.2
26	1.7	2.5	2.7	2.9	2.5	4.1	6.2	2.8	2.2	1.1	.97	1.1
27	1.7	2.3	2.7	2.7	2.5	4.0	3.8	2.8	2.0	.97	1.2	1.2
28	1.6	2.2	2.7	2.7	2.5	3.0	6.5	2.8	2.1	.77	.97	1.3
29	1.6	2.0	2.8	2.7	---	2.0	6.1	2.8	2.3	.90	.97	1.4
30	1.4	2.2	2.5	2.8	---	2.0	6.2	2.9	1.9	1.1	.97	1.4
31	2.0	---	2.4	2.8	---	2.5	---	2.9	---	.97	.97	---
TOTAL	69.1	65.7	78.3	79.4	66.5	93.3	207.90	126.0	77.1	44.15	29.21	30.32
MEAN	2.23	2.19	2.53	2.56	2.38	3.01	6.93	4.06	2.57	1.42	.94	1.01
MAX	2.6	2.6	3.2	3.0	2.7	4.1	17	7.1	4.3	2.0	1.6	1.4
MIN	1.4	1.6	2.0	2.1	2.1	2.0	.77	2.8	1.9	.77	.54	.82
AC-FT	137	130	155	157	132	185	412	250	153	88	58	60

CAL YR 1974 TOTAL 2008.19 MEAN 5.50 MAX 131 MIN .92 AC-FT 3980
WTR YR 1975 TOTAL 966.18 MEAN 2.65 MAX 17 MIN .54 AC-FT 1920

PEAK DISCHARGE (BASE, 20 FT³/S).--Apr. 13 (0930) 41 ft³/s (2.30 ft).

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06454100 Niobrara River at Agate, Nebr.

LOCATION.--Lat 42°25'22", long 103°47'28", in SW1/4 sec. [illegible], T.28 N., R.55 W., Sioux County, on right bank 10 ft (3 m) upstream from timber farm-vehicle bridge, 300 ft (91 m) upstream from bridge on State Highway 29, 0.2 mi (0.3 km) northwest of Agate, and 14.5 mi (23.3 km) upstream from Whistle Creek.

DRAINAGE AREA.--840 mi² (2,180 km²), approximately.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,440 ft (1,353 m), from topographic map. Prior to Nov. 3, 1960, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--18 years, 14.6 ft³/s (0.413 m³/s), 10,580 acre-ft/yr (13.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 58 ft³/s (1.64 m³/s) Apr. 9, gage height, 3.67 ft (1.119 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Mar. 29.
Period of record: Maximum discharge, 181 ft³/s (5.13 m³/s) June 23, 1959, gage height, 5.00 ft (1.524 m), from floodmark; minimum daily, 1.0 ft³/s (0.028 m³/s) Mar. 29, 1975.

REMARKS.--Records good. Diversions for irrigation of about 6,700 acres (27.1 km²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.8	12	13	15	18	4.8	17	11	5.0	3.5	8.1
2	9.9	8.2	11	13	16	19	11	16	11	4.0	3.5	7.7
3	6.4	9.4	15	13	16	19	11	16	9.8	3.1	3.5	8.1
4	5.0	9.0	16	13	16	19	12	15	9.3	3.3	3.6	8.2
5	6.5	12	16	13	15	20	10	14	9.2	3.9	3.1	9.2
6	7.5	13	16	13	14	20	36	15	7.0	3.9	3.2	8.1
7	6.4	14	16	14	16	20	38	15	6.8	3.9	3.2	8.1
8	6.3	14	15	14	16	19	30	14	7.5	3.9	3.0	7.7
9	6.4	14	15	13	15	19	42	14	7.1	3.8	3.0	7.5
10	6.5	14	15	13	16	19	41	15	7.0	3.8	3.1	8.1
11	11	14	15	12	16	19	37	14	7.0	3.7	3.0	9.0
12	12	14	15	9.6	18	18	36	15	6.6	3.7	3.0	9.8
13	12	14	14	11	18	18	36	16	6.5	3.9	3.4	9.1
14	12	14	16	11	18	19	33	15	6.4	4.2	3.8	8.9
15	12	15	15	11	18	20	31	14	6.4	4.4	4.2	9.1
16	12	16	15	12	17	20	34	14	6.2	4.4	5.5	9.2
17	12	15	17	13	17	20	30	14	6.1	4.4	6.8	9.6
18	8.3	15	15	14	17	20	34	14	8.2	4.2	6.7	9.4
19	6.8	14	15	15	17	19	31	14	13	4.1	6.5	8.7
20	6.5	14	15	15	17	17	28	14	9.9	4.1	6.6	9.1
21	6.5	14	16	15	16	19	23	15	8.8	3.7	6.8	9.4
22	6.6	14	16	14	15	19	25	17	9.3	4.0	7.0	9.5
23	6.6	14	13	14	16	13	25	18	9.0	3.9	7.2	9.6
24	6.6	14	15	15	18	18	21	16	8.5	3.7	7.4	9.6
25	6.6	14	14	15	18	16	17	16	8.0	3.5	7.6	9.0
26	6.7	14	13	15	17	15	15	15	7.5	3.6	7.6	8.5
27	11	14	14	15	17	5.7	15	14	7.0	3.6	8.0	9.0
28	12	13	12	15	17	5.3	18	14	6.5	3.6	8.1	7.5
29	12	13	14	11	---	1.0	16	15	6.0	3.6	8.4	7.0
30	13	12	14	14	---	1.8	19	9.8	5.5	3.6	9.3	6.0
31	14	---	17	15	---	2.3	---	11	---	3.5	8.3	---
TOTAL	277.1	398.4	457	413.6	462	499.6	759.8	455.8	237.1	119.8	166.4	254.8
MEAN	8.94	13.3	14.7	13.3	16.5	16.1	25.3	14.7	7.90	3.86	5.37	8.49
MAX	14	16	17	15	18	20	42	18	13	5.0	9.3	9.8
MIN	5.0	8.2	12	9.6	14	1.0	4.8	9.8	5.5	3.1	3.0	6.0
AC-FT	550	790	906	820	916	990	1510	904	470	238	330	505

CAL YR 1974 TOTAL 4542.6 MEAN 12.4 MAX 40 MIN 2.3 AC-FT 9010
WTR YR 1975 TOTAL 4500.4 MEAN 12.3 MAX 42 MIN 1.0 AC-FT 8930

PEAK DISCHARGE (BASE, 35 FT³/S).--Apr. 9 (1830) 58 ft³/s (3.67 ft.).

06454500 Niobrara River above Box Butte Reservoir, Nebr.

LOCATION.--Lat 42°27'35", long 103°10'15", in NE1/4 sec.27, T.29 N., R.50 W., Dawes County, on right bank 1 mi (2 km) upstream from high-water line of Box Butte Reservoir and 6 mi (10 km) east of Marsland.

DRAINAGE AREA.--1,400 mi^2 (3,630 km^2), approximately.

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Concrete control since Oct. 12, 1953. Datum of gage is 4,012.47 ft (1,223.001 m) above mean sea level. Prior to Nov. 27, 1949, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--29 years, 30.8 ft^3/s (0.872 m^3/s), 22,310 acre-ft/yr (27.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 159 ft^3/s (4.50 m^3/s) Apr. 10, gage height, 4.68 ft (1.426 m); maximum gage height, 6.20 ft (1.890 m) Apr. 5, backwater from snow in channel; minimum daily discharge, 5.0 ft^3/s (0.14 m^3/s) Sept. 1-6.

Period of record: Maximum discharge, 4,950 ft^3/s (140 m^3/s) July 28, 1951, gage height, 10.30 ft (3.139 m), from rating curve extended above 230 ft^3/s (6.51 m^3/s) on basis of step-backwater analysis and slope-area measurement at gage height 9.22 ft (2.810 m); minimum daily, 1.6 ft^3/s (0.045 m^3/s) Sept. 26, 1953.

REMARKS.--Records good except those for winter period, which are fair. Diversions for irrigation of about 12,800 acres (51.8 km^2) above station.

REVISIONS (WATER YEARS).--WSP 1917: 1951, 1952(P), 1957(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	25	30	34	38	20	43	18	10	12	5.0
2	13	16	28	26	34	36	20	40	18	9.4	11	5.0
3	14	21	30	32	30	35	25	37	17	7.6	9.9	5.0
4	14	22	29	29	30	38	30	34	16	7.6	9.9	5.0
5	14	23	29	27	28	44	50	33	14	7.6	9.9	5.0
6	14	22	30	28	26	47	60	33	14	8.1	9.9	5.0
7	14	23	29	27	28	40	75	34	12	8.1	9.4	5.4
8	15	23	30	25	28	42	100	34	12	7.6	9.0	5.4
9	15	26	31	25	25	41	117	34	13	8.5	9.0	5.9
10	14	26	29	22	29	42	153	31	13	8.1	9.0	5.9
11	14	26	29	20	30	42	118	25	13	7.2	9.0	6.8
12	14	26	31	20	29	41	89	32	10	6.8	9.0	7.2
13	14	27	31	20	29	39	78	36	10	7.2	9.0	7.2
14	14	28	31	25	29	40	69	34	9.9	6.3	9.9	7.2
15	14	29	30	27	27	45	65	29	9.4	6.3	9.9	7.2
16	14	29	30	26	33	48	61	29	10	6.3	7.2	7.2
17	14	29	30	27	31	49	57	30	11	6.8	6.3	7.2
18	13	29	30	26	33	48	57	25	13	6.3	7.2	7.2
19	13	29	31	29	33	48	54	21	24	6.3	7.2	7.6
20	14	29	31	29	29	47	51	22	20	5.4	6.8	8.1
21	14	29	31	31	30	47	51	22	19	5.4	6.8	8.1
22	14	30	30	36	34	46	51	24	18	5.9	19	8.1
23	14	30	28	31	32	46	46	28	18	7.6	8.1	8.1
24	14	29	30	31	31	44	39	39	16	6.8	6.8	8.1
25	14	29	25	31	31	42	37	29	15	7.6	7.2	8.1
26	14	30	30	31	30	40	36	27	16	7.6	6.8	12
27	14	29	30	30	32	35	37	21	15	6.8	6.3	9.9
28	14	29	25	30	31	30	59	18	15	5.9	6.8	11
29	15	25	27	30	---	28	54	20	9.9	5.4	6.8	9.4
30	15	25	30	31	---	25	48	19	11	15	6.3	8.1
31	15	---	28	32	---	25	---	19	---	12	5.9	---
TOTAL	436	783	908	864	846	1258	1807	902	430.2	233.5	267.3	216.4
MEAN	14.1	26.1	29.3	27.9	30.2	40.6	60.2	29.1	14.3	7.53	8.62	7.21
MAX	15	30	31	36	34	49	153	43	24	15	19	12
MIN	13	15	25	20	25	25	20	18	9.4	5.4	5.9	5.0
AC-FT	865	1550	1800	1710	1680	2500	3580	1790	853	463	530	429

CAL YR 1974 TOTAL 9229.2 MEAN 25.3 MAX 84 MIN 3.5 AC-FT 18310
WTR YR 1975 TOTAL 8951.4 MEAN 24.5 MAX 153 MIN 5.0 AC-FT 17760

PEAK DISCHARGE (BASE, 100 FT^3/S).--Apr. 10 (0030) 159 ft^3/s (4.68 ft).

06455500 Box Butte Reservoir near Hemingford, Nebr.

LOCATION.--Lat 42°27'30", long 103°04'04", in sec.29, T.29 N., R.49 W., Dawes County, in control tower at dam on left bank of Niobrara River, 9 mi (14 km) north of Hemingford.

DRAINAGE AREA.--1,467 mi² (3,780 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Electric tape gage read three or more times a month. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum contents observed, 16,750 acre-ft (20.7 hm³) May 31, elevation, 3,996.51 ft (1,218.136 m); minimum observed, 872 acre-ft (1.08 hm³) Jan. 30, 31, elevation, 3,970.45 ft (1,210.193 m).
Period of record: Maximum contents, 32,210 acre-ft (39.7 hm³) Mar. 26, 1944, elevation, 4,007.35 ft (1,221.557 m); minimum observed since operation of reservoir began, 868 acre-ft (1.07 hm³) Sept. 4, 1971, elevation, 3,970.42 ft (1,210.184 m).

REMARKS.--Reservoir is formed by earthfill dam; outlet gate first closed Oct. 3, 1945. Usable capacity, 30,420 acre-ft (37.5 hm³) (revised) between elevations 3,969.30 ft (1,209.751 m), sill of outlet gate, and 4,007.00 ft (1,221.334 m), crest of spillway. Dead storage, 597 acre-ft (0.736 hm³). Figures given herein represent total contents. Water is used for irrigation of Mirage Flats project of Bureau of Reclamation.

COOPERATION.--Records of elevations and capacity table furnished by Bureau of Reclamation.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)a/	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	3,978.46	3,020	-
Oct. 31	3,980.74	4,200	+1,180
Nov. 30	3,983.25	5,730	+1,050
Dec. 31	3,986.44	7,160	+1,430
CAL YR 1974			-2,520
Jan. 31	3,988.25	8,510	+1,350
Feb. 28	3,990.40	10,420	+1,410
Mar. 31	3,992.47	11,940	+2,220
Apr. 30	3,995.57	15,250	+2,610
May 31	3,996.36	16,720	+1,170
June 30	3,996.41	16,680	-40
July 31	3,986.36	7,470	-9,210
Aug. 31	3,979.44	[illegible]	-6,570
Sept. 30	3,975.59	2,020	+1,150
WTR YR 1975	-	-	-1,000

a/ Elevations read on or near last day of month.

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06455500 Niobrara River below Box Butte Reservoir, Nebr.

LOCATION.--Lat 42°27'25", long 103°04'05", in SE1/4 sec.28, T.29 N., R.49 W., Dawes County, on left bank 0.2 mi (0.3 km) downstream from Box Butte Reservoir and 9 mi (14 km) north of Hemingford.

DRAINAGE AREA.--1,460 mi² (3,780 km²), approximately.

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Concrete control since Apr. 11, 1953. Datum of gage is 3,950.08 ft (1,203.984 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 207 ft³/s (5.86 m³/s) July 21, gage height, 4.39 ft (1.338 m); minimum daily, 0.55 ft³/s (0.016 m³/s) Mar. 27.

Period of record: Maximum discharge, 616 ft³/s (17.4 m³/s) July 2, 1968, gage height, 5.04 ft (1.536 m); minimum daily, 0.10 ft³/s (0.003 m³/s) for many days in 1947, 1951.

REMARKS.--Records good except those below 2 ft³/s (0.057 m³/s), which are fair. Flow completely regulated by Box Butte Reservoir. (See preceding page.)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.75	.69	.74	.69	.75	.88	.98	.85	.92	129	59
2	.72	.86	.69	.74	.70	.77	.87	.96	.85	.96	116	20
3	.71	.81	.69	.75	.70	.78	.91	.91	.85	.91	114	.87
4	.71	.79	.69	.76	.69	.78	.99	.90	.85	.92	129	.87
5	.77	.78	.71	.75	.69	.80	.96	.90	.84	46	141	.80
6	.75	.76	.71	.72	.69	.79	.94	.87	.88	81	139	.80
7	.74	.76	.71	.71	.69	.79	1.1	.87	.89	86	139	.80
8	.72	.75	.70	.72	.69	.80	1.0	.83	.91	104	136	.76
9	.75	.79	.69	.71	.69	.79	.91	.83	.88	113	141	.72
10	.75	.79	.73	.70	.70	.80	.87	.83	.90	114	144	.76
11	.74	.78	.74	.70	.74	.79	.84	.80	.88	120	155	.83
12	.76	.80	.73	.66	.75	.79	.84	1.1	.87	124	156	.83
13	.75	.79	.75	.67	.76	.79	.80	.94	.86	135	153	.76
14	.74	.81	.75	.69	.76	.80	.80	.85	.89	152	141	.76
15	.75	.81	.76	.65	.76	.79	.80	.84	.92	168	125	.76
16	.75	.80	.75	.68	.76	.80	.81	.82	.91	184	104	.72
17	.74	.80	.76	.68	.75	.79	.83	.92	.96	189	106	.72
18	.75	.76	.76	.73	.76	.79	.82	.82	1.0	193	112	.69
19	.76	.75	.75	.71	.76	.80	.82	.81	1.0	193	112	.80
20	.84	.76	.76	.73	.77	.82	.84	.82	1.0	189	110	.76
21	.74	.75	.76	.70	.74	.84	.86	.83	1.0	195	112	.72
22	.74	.75	.75	.72	.76	.84	.85	.88	.96	204	106	.72
23	.75	.75	.73	.72	.76	.91	.96	1.1	.92	201	99	.66
24	.80	.73	.73	.72	.76	.81	.86	.92	.92	195	108	.72
25	.86	.73	.73	.69	.74	.83	.87	.85	.96	158	112	.72
26	.88	.71	.75	.69	.73	.82	.88	.86	.96	127	104	.69
27	.84	.73	.75	.70	.73	.55	.89	.85	.92	127	95	.73
28	.75	.72	.76	.72	.74	.82	1.2	.88	.92	134	92	.73
29	.76	.74	.77	.72	---	.85	1.0	.87	.92	141	84	.72
30	.77	.69	.76	.69	---	.93	.99	.87	1.4	141	73	.71
31	.77	---	.74	.69	---	.87	---	.86	---	139	65	---
TOTAL	23.58	23.00	22.75	21.96	20.46	24.78	26.89	27.27	27.87	3956.61	3652	100.13
MEAN	.76	.77	.73	.71	.73	.80	.90	.88	.93	128	118	3.34
MAX	.88	.86	.77	.76	.77	.93	1.2	1.1	1.4	204	156	59
MIN	.71	.69	.69	.65	.69	.55	.80	.80	.84	.86	65	.66
AC-FT	47	46	45	44	41	49	53	54	55	7850	7240	199

CAL YR 1974 TOTAL 8689.46 MEAN 23.8 MAX 212 MIN .62 AC-FT 17240
WTR YR 1975 TOTAL 7927.30 MEAN 21.7 MAX 204 MIN .55 AC-FT 15720

06457500 Niobrara River near Gordon, Nebr.

LOCATION.--Lat 42°38'00", long 102°12'40", in NE1/4 sec.26, T.31 N., R.42 W., Sheridan County, on left bank 250 ft (76 m) upstream from bridge on State Highway 27, 4 mi (6 km) downstream from Rush Creek, and 11 mi (18 km) south of Gordon.

DRAINAGE AREA.--4,290 mi² (11,100 km²), approximately.

PERIOD OF RECORD.--August 1928 to September 1932, October 1945 to current year. Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Datum of gage is 3,433.49 ft (1,046.528 m) above mean sea level. Aug. 24, 1928, to June 30, 1932, nonrecording gage at bridge 4 mi (6 km) downstream at different datum. Dec. 3, 1945, to Mar. 24, 1970, water-stage recorder at datum 1.0 ft (0.30 m) higher.

EXTREMES.--Current year: Maximum discharge, 278 ft³/s (7.87 m³/s) Feb. 25, gage height, 1.26 ft (0.384 m); maximum gage height, 2.21 ft (0.674 m) Mar. 30, backwater from ice; minimum daily discharge, 51 ft³/s (1.44 m³/s) Aug. 9.

Period of record: Maximum discharge, 9,130 ft³/s (259 m³/s) May 21, 1962, gage height, 5.25 ft (1.600 m); minimum daily, 16 ft³/s (0.45 m³/s) Dec. 20, 1966.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by storage in Box Butte Reservoir (see sta 06455000), for irrigation of Mirage Flats project and return flow from irrigated land.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	103	105	100	85	155	170	107	111	67	61	60
2	90	105	144	100	90	155	180	111	109	64	64	63
3	88	111	138	95	85	144	190	111	101	63	61	63
4	88	113	135	95	80	135	200	116	94	60	57	78
5	92	111	147	95	80	138	200	113	92	58	56	70
6	98	109	138	95	75	144	201	113	88	61	58	70
7	94	109	123	95	80	147	213	118	90	67	55	70
8	92	111	116	90	85	152	201	121	107	66	53	69
9	98	109	116	90	90	158	135	123	103	87	51	73
10	90	109	121	85	95	161	107	121	96	92	53	72
11	85	113	113	85	95	155	85	118	94	78	53	72
12	87	111	105	80	95	152	78	130	90	69	56	78
13	88	116	90	90	95	155	76	171	88	67	58	83
14	88	116	87	95	90	158	75	171	90	63	64	83
15	90	113	83	95	90	161	78	144	87	61	73	82
16	92	111	90	100	90	174	83	130	87	60	73	78
17	90	105	99	100	90	177	85	121	85	58	69	73
18	92	107	90	110	95	171	83	116	88	58	67	73
19	90	107	90	110	100	171	88	111	116	58	66	73
20	90	109	78	105	100	174	98	109	105	56	64	76
21	87	111	83	105	120	187	109	118	101	56	70	80
22	87	113	80	110	130	181	113	118	113	56	70	82
23	87	109	83	100	150	177	113	141	105	60	80	83
24	87	109	103	100	170	161	109	141	88	58	83	82
25	88	116	100	95	194	167	111	123	83	61	61	78
26	88	125	100	90	184	161	111	113	96	64	61	73
27	92	116	105	90	174	150	121	111	92	57	66	73
28	90	107	105	85	161	140	138	107	83	54	66	78
29	94	96	100	80	---	150	125	113	75	53	66	80
30	99	88	100	85	---	170	113	113	70	53	63	80
31	109	---	100	85	---	170	---	111	---	57	61	---
TOTAL	2806	3288	3266	2935	3068	4951	3789	3784	2827	1942	1959	2248
MEAN	90.5	110	105	94.7	110	160	126	122	94.2	62.6	63.2	74.9
MAX	109	125	147	110	194	187	213	171	116	92	83	83
MIN	85	88	78	80	75	135	75	107	70	53	51	60
AC-FT	5570	6520	6480	5820	6090	9820	7520	7510	5610	3850	3890	4460

CAL YR 1974 TOTAL 38628 MEAN 106 MAX 220 MIN 57 AC-FT 76620
WTR YR 1975 TOTAL 36863 MEAN 101 MAX 213 MIN 51 AC-FT 73120

[illegible] SNAKE RIVER ABOVE MERRITT RESERVOIR, NEBR.

LOCATION.--Lat [illegible], long [illegible], in [illegible] sec.11, T.[illegible] N., R.32 W., Cherry County, on left bank 5 ft ([illegible] m) upstream from steel piling control, 1,200 ft (366 m) upstream from Shelbourn Bridge, 0.7 mi (1.1 km) [illegible], [illegible] mi (13.7 km) southeast of headquarters for Nebraska National Forest ([illegible] Division), 12 mi (19 km) upstream from Boardman Creek, and 14.5 mi (23.3 km) upstream from Merritt Dam.

DRAINAGE AREA.--[illegible] mi² (1,1[illegible] km²), approximately, of which about 28 mi² (73 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder and steel piling control. Datum of gage is 2,952.75 ft (899.998 m) above mean sea level (levels by Bureau of Reclamation).

AVERAGE DISCHARGE.--13 years, 205 ft³/s (5.805 m³/s), 148,500 acre-ft/yr (0.183 km³/yr).

EXTREMES.--Current year: Maximum discharge, 362 ft³/s (10.3 m³/s) Apr. 8, gage height, 3.73 ft (1.137 m); maximum gage height, 5.40 ft (1.646 m) Mar. 29, ice jam; minimum daily discharge, 150 ft³/s (4.25 m³/s) Feb. 8.

Period of record: Maximum discharge, 537 ft³/s (15.2 m³/s) Aug. 12, 1966, gage height, 2.43 ft (0.741 m); maximum gage height, 5.50 ft (1.676 m) Nov. 23, 1970, backwater from ice; minimum daily discharge, [illegible] ft³/s (0.52 m³/s) Dec. 13, 1968.

Maximum flood since October 1962, 820 ft³/s (23.2 m³/s) June 30, 1962, gage height, 2,953.46 ft ([illegible] m) above mean sea level, from high-water profile at reference point on downstream side of Shelbourn Bridge 1,200 ft (370 m) downstream, result of slope-area measurement of peak flow.

REMARKS.--Records good except those for winter period, which are fair. Records of water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WDR Nebr. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	209	185	226	197	212	220	239	214	187	207	187
2	224	203	194	202	203	210	240	224	214	183	193	189
3	227	195	190	197	191	212	250	212	214	181	186	184
4	231	193	193	191	193	215	256	204	209	181	183	193
5	231	193	203	200	190	217	253	200	204	179	188	197
6	231	192	203	215	175	219	268	199	196	188	190	192
7	227	193	203	215	180	223	240	199	201	213	189	189
8	235	193	207	226	150	218	339	196	236	198	193	191
9	224	192	193	215	155	215	325	195	240	210	185	192
10	213	190	193	200	170	212	307	203	204	209	180	201
11	216	185	203	191	180	212	262	210	219	196	184	210
12	216	193	197	195	190	212	226	203	207	185	191	197
13	212	195	190	205	210	205	217	209	206	185	196	198
14	205	193	203	215	200	213	208	215	214	183	196	201
15	205	192	213	205	200	215	209	215	206	181	201	209
16	[illegible]	193	192	190	200	222	210	213	207	190	214	207
17	[illegible]	200	193	175	215	223	215	208	208	176	224	211
18	[illegible]	187	203	215	228	225	211	209	203	177	205	199
19	135	187	204	220	232	224	208	210	236	178	204	191
20	130	203	209	235	228	224	196	201	256	186	206	188
21	[illegible]	154	213	225	220	226	202	198	259	190	220	201
22	[illegible]	193	215	220	207	221	203	207	302	200	207	197
23	[illegible]	187	200	215	195	220	210	219	255	187	201	191
24	[illegible]	195	203	215	207	210	214	217	235	183	189	196
25	231	190	210	215	208	200	204	224	224	195	181	195
26	[illegible]	195	240	206	202	190	205	212	236	182	196	196
27	[illegible]	195	243	205	207	202	209	204	224	181	193	197
28	[illegible]	195	250	190	207	190	251	202	214	180	200	202
29	[illegible]	[illegible]	230	140	---	180	235	208	198	171	197	202
30	227	172	220	183	---	190	236	204	192	177	193	203
31	225	---	210	180	---	200	---	209	---	226	190	---
TOTAL	[illegible]	5806	6492	6363	5514	6559	7081	6508	6615	5807	6062	5906
MEAN	[illegible]	194	209	205	197	212	236	210	221	187	196	197
MAX	241	209	253	240	240	228	339	239	302	226	224	211
MIN	[illegible]	154	185	140	150	180	196	195	192	171	180	184
AC-FT	[illegible]	11520	12870	12620	10950	13010	14050	12910	13120	11520	12020	11710

CAL YR 1974 TOTAL 76,771 MEAN 203 MAX 340 MIN 13[illegible] AC-FT 147400
WTR YR 1975 TOTAL 75,974 MEAN 20[illegible] MAX 339 MIN 150 AC-FT 150700

PEAK DISCHARGE (BASE, 350 FT³/S).--Apr. 8 (0100) 362 ft³/s (3.73 ft); June 22 (0500) 354 ft³/s (3.63 ft).

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06459300 Merritt Reservoir near Burge, Nebr.

LOCATION.--Lat 42°38'06", long 100°52'18", in SW1/4NW1/4 sec.29, T.31 N., R.30 W., Cherry County, in control house of outlet works of Merritt Dam, 8.1 mi (13.0 km) southwest of Burge and 23 mi (37 km) southwest of Valentine.

DRAINAGE AREA.--640 mi² (1,660 km²), approximately, of which about 43 mi² (110 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--February 1964 to current year.

GAGE.--Direct reading, single vertical column, mercury-well type manometer read once daily. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum contents observed, 75,080 acre-ft (92.6 hm³) June 22 to July 1, elevation, 2,946.2 ft (898.00 m); minimum observed, 31,660 acre-ft (39.0 hm³) Sept. 4-7, elevation, 2,925.9 ft (891.81 m).

Period of record: Maximum contents observed, 76,840 acre-ft (94.7 hm³) May 4, 1971; minimum since appreciable storage was attained, 20,060 acre-ft (24.7 hm³) Oct. 1, 1968, elevation, 2,916.1 ft (888.83 m).

REMARKS(Revised).-- Reservoir is formed by earthfill dam; storage began Feb. 19, 1964. Usable capacity, 72,672 acre-ft (89.9 hm³) between elevations 2,875.0 ft (876.30 m), sill of canal outlet works, and 2,946.0 ft (897.94 m), crest of spillway. Dead and inactive storage, 1,614 acre-ft (1.99 hm³) below elevation 2,875.0 ft (876.30 m). Figures given herein represent total contents. Water is used for irrigation of Ainsworth Unit of Bureau of Reclamation.

COOPERATION.--Records of elevation and capacity table furnished by Bureau of Reclamation.

REVISIONS.--WRD Nebr. 1967: Drainage area.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	2,930.3	38,490	-
Oct. 31	2,937.4	52,330	+13,840
Nov. 30	2,941.0	60,910	+8,580
Dec. 31	2,941.1	61,170	+260
CAL YR 1974	-	-	+260
Jan. 31	2,941.1	61,170	0
Feb. 28	2,941.2	61,420	+250
Mar. 31	2,942.4	64,530	+3,110
Apr. 30	2,946.0	74,490	+9,960
May 31	2,946.0	74,490	0
June 30	2,946.2	75,080	+590
July 31	2,937.5	52,560	-22,520
Aug. 31	2,926.4	32,380	-20,180
Sept. 30	2,929.6	37,330	+4,950
WTR YR 1975	-	-	-1,160

06459500 Snake River near Burge, Nebr.

LOCATION.--Lat 42°39'15", long 100°51'28", in NE1/4 sec.20, T.31 N., R.30 W., Cherry County, on right bank 150 ft (46 m) downstream from Nebraska National Forest boundary, 2.1 mi (3.4 km) downstream from Merritt Dam, 6.5 mi (10.5 km) southwest of Burge, and 22 mi (35 km) southwest of Valentine.

DRAINAGE AREA.--660 mi² (1,710 km²), approximately, of which about 44 mi² (110 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--June 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,805.36 ft (855.074 m) above mean sea level, (levels by Bureau of Reclamation).

AVERAGE DISCHARGE.--12 years (1963-75), 155 ft³/s (4.390 m³/s), 112,300 acre-ft/yr (0.138 km³/yr), since storage and diversion began.

EXTREMES.--Current year: Maximum discharge, 276 ft³/s (7.82 m³/s) Apr. 16, gage height, 2.13 ft (0.649 m); minimum daily, 12 ft³/s (0.34 m³/s) Oct. 2-28, Oct. 31 to Nov. 20.

Period of record: Maximum discharge, 3,170 ft³/s (89.8 m³/s) Feb. 7, 1963, gage height, 6.96 ft (2.121 m), release of storage behind temporary construction dike, from rating curve extended above 520 ft³/s (14.7 m³/s) on basis of slope-area measurement at gage height 5.39 ft (1.643 m); minimum daily, 5.8 ft³/s (0.16 m³/s) May 24-27, 1964.

REMARKS.--Records good. Natural flow affected by storage in Merritt Reservoir 2.1 mi (3.4 km) upstream. (See sta 06459300.)

REVISIONS (WATER YEARS).--WSP 1279: 1950(M), 1951(P). WRD Nebr. 1967,1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	193	225	221	215	15	231	140	33	17	16
2	12	12	192	227	221	215	14	228	135	27	16	16
3	12	12	192	227	220	215	14	230	137	19	16	16
4	12	12	192	226	221	215	14	229	133	16	16	16
5	12	12	193	226	220	240	14	231	135	15	17	16
6	12	12	192	225	218	250	13	107	134	15	16	16
7	12	12	193	225	219	250	13	104	140	15	16	16
8	12	12	192	225	219	250	13	104	138	15	16	16
9	12	12	209	223	218	250	13	106	137	15	16	16
10	12	12	227	223	219	250	13	109	137	15	16	17
11	12	12	226	222	220	250	13	107	137	15	16	16
12	12	12	226	221	220	250	15	108	138	15	17	16
13	12	12	225	218	220	250	15	127	137	16	17	16
14	12	12	227	218	220	250	220	136	140	16	17	16
15	12	12	226	218	225	250	252	142	138	16	17	16
16	12	12	225	218	225	250	262	154	139	15	17	16
17	12	12	224	218	225	250	258	142	138	15	17	16
18	12	12	224	219	225	259	258	139	138	16	17	16
19	12	12	224	219	225	248	230	139	142	15	17	16
20	12	12	224	219	225	244	227	137	145	16	18	16
21	12	119	224	219	225	244	224	137	150	16	17	16
22	12	238	224	218	225	244	227	140	155	16	17	16
23	12	252	224	218	225	252	224	144	158	16	17	16
24	12	255	224	218	225	94	224	152	160	16	16	16
25	12	255	224	218	224	13	234	146	172	16	16	16
26	12	234	227	218	215	13	235	145	158	16	16	16
27	12	220	231	219	215	13	231	165	158	16	16	16
28	12	220	228	219	215	13	229	159	155	16	16	16
29	13	202	228	221	---	15	228	157	158	16	16	16
30	13	193	228	221	---	15	229	156	77	17	16	15
31	12	---	228	221	---	15	---	155	---	17	16	---
TOTAL	376	2428	6716	6852	6195	5782	4171	4706	4258	519	511	480
MEAN	12.1	80.9	217	221	221	187	139	152	142	16.7	16.5	16.0
MAX	14	255	231	227	225	259	262	231	172	33	18	17
MIN	12	12	192	218	215	13	13	104	77	15	16	15
AC-FT	746	4820	13320	13590	12290	11470	8270	9330	8450	1030	1010	952

CAL YR 1974 TOTAL 42611 MEAN 117 MAX 342 MIN 11 AC-FT 84520
WTR YR 1975 TOTAL 42994 MEAN 118 MAX 262 MIN 12 AC-FT 85280

06461000 Minnechaduza Creek at Valentine, Nebr.

LOCATION.--Lat 42°53'10", long 100°33'10", in SW1/4 sec.30, T.34 N., R.27 W., Cherry County, on right bank 500 ft (152 m) downstream from powerplant in city park at north edge of Valentine and 4 mi (6 km) upstream from mouth.

DRAINAGE AREA.--390 mi² (1,010 km²), approximately, of which about 200 mi² (520 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--December 1947 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 2,470 ft (753 m), from topographic map.

AVERAGE DISCHARGE.--27 years (1948-75), 34.0 ft³/s (0.963 m³/s), 24,630 acre-ft/yr (30.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 144 ft³/s (4.08 m³/s) Apr. 8, gage height, 2.52 ft (0.768 m); maximum gage height, 2.53 ft (0.771 m) Feb. 9; minimum daily discharge, 4.3 ft³/s (0.12 m³/s) Feb. 22.
Period of record: Maximum discharge, 1,100 ft³/s (31.2 m³/s) Mar. 22, 1960, gage height, 8.00 ft (2.438 m); minimum daily, 2.6 ft³/s (0.074 m³/s) Feb. 22, 1955.

REMARKS.--Records good. Flow regulated by powerplant 500 ft (152 m) above station.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	23	19	5.1	16	22	24	35	21	15	15	5.0
2	19	5.2	28	36	25	33	18	48	19	5.5	6.2	15
3	27	27	23	29	34	29	32	38	19	20	16	7.7
4	13	34	24	4.8	9.5	30	47	62	19	5.7	19	8.0
5	15	20	33	22	25	45	37	16	19	13	12	20
6	17	33	34	30	10	24	81	35	19	12	11	11
7	25	19	5.4	23	33	44	60	31	15	26	15	11
8	16	38	23	24	4.6	19	87	30	21	16	15	11
9	15	4.9	20	31	35	33	103	23	24	15	6.1	12
10	22	25	28	33	14	30	110	28	25	15	13	10
11	17	25	32	5.2	22	40	107	37	19	25	9.9	17
12	18	33	24	5.5	27	21	99	30	16	5.6	9.8	25
13	18	24	33	10	19	41	54	29	30	11	9.9	6.8
14	24	22	5.1	25	31	39	108	30	25	15	10	14
15	19	33	32	19	4.4	6.2	53	30	8.3	11	15	17
16	15	4.9	30	18	27	40	48	23	20	15	13	16
17	29	25	19	36	30	52	50	16	25	8.1	12	16
18	23	42	30	5.3	24	37	49	25	25	20	14	17
19	5.8	18	24	28	23	38	45	22	24	5.8	19	22
20	19	29	37	33	28	48	40	24	26	10	15	8.0
21	34	23	4.8	33	30	46	39	20	24	11	16	12
22	15	33	29	25	4.3	40	30	18	27	20	15	13
23	16	5.1	29	25	23	45	36	35	75	8.4	20	19
24	15	27	21	38	34	26	39	21	29	13	14	17
25	38	33	4.7	6.0	29	11	44	22	23	15	14	21
26	5.4	29	25	33	32	24	24	24	25	6.1	11	22
27	19	29	35	38	29	24	31	28	30	11	7.2	6.3
28	33	5.5	4.6	25	38	22	33	24	24	9.7	8.3	14
29	16	38	28	20	---	5.4	38	19	5.4	11	15	19
30	24	5.4	28	4.8	---	5.5	39	19	29	11	5.1	19
31	39	---	23	38	---	19	---	21	---	15	13	---
TOTAL	623.2	713.0	735.6	708.7	660.8	939.1	1605	863	710.7	400.9	394.5	431.8
MEAN	20.1	23.8	23.7	22.9	23.6	30.3	53.5	27.8	23.7	12.9	12.7	14.4
MAX	39	42	37	38	38	52	110	62	75	26	20	25
MIN	5.4	4.9	4.6	4.8	4.3	5.4	18	16	5.4	5.5	5.1	5.0
AC-FT	1240	1410	1460	1410	1310	1860	3180	1710	1410	795	782	856

CAL YR 1974 TOTAL 9036.4 MEAN 24.8 MAX 61 MIN 4.6 AC-FT 17920
WTR YR 1975 TOTAL 8786.3 MEAN 24.1 MAX 110 MIN 4.3 AC-FT 17430

06461500 Niobrara River near Sparks, Nebr.

LOCATION.--Lat 42°54'10", long 100°21'40", in SE1/4 sec.22, T.34 N., R.26 W., Cherry County, on left bank 19 ft (6 m) downstream from highway bridge, 2.2 mi (3.5 km) downstream from Big Beaver Creek, 5.5 mi (8.8 km) downstream from Minnechaduza Creek, and 6.5 mi (10.5 km) southwest of Sparks.

DRAINAGE AREA.--8,390 mi² (21,730 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Datum of gage is 2,257.57 ft (687.251 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 792 ft³/s (22.43 m³/s), 573,800 acre-ft/yr (0.707 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 2,250 ft³/s (63.7 m³/s) July 31, gage height, 3.81 ft (1.161 m); maximum gage height, 5.86 ft (1.981 m) Jan. 12, ice jam; minimum daily discharge, 260 ft³/s (7.36 m³/s) Mar. 28.
Period of record: Maximum discharge, 10,200 ft³/s (289 m³/s) Mar. 5, 1959, gage height, 6.73 ft (2.051 m), from rating curve extended above 4,800 ft³/s (138 m³/s); maximum gage height recorded, 10.06 ft (3.066 m) Mar. 7, 1974, ice jam; minimum daily discharge, 100 ft³/s (2.83 m³/s) Jan. 13, 1957.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by irrigation and power developments, storage in Box Butte Reservoir (see sta 06455900), and since May 1964 by storage in Merritt Reservoir (see sta 06459300).

REVISIONS (WATER YEARS).--WSP 1309: 1947(M), 1949-50(P). WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	558	507	703	600	520	904	557	868	710	498	466	418
2	573	503	683	640	580	1030	520	820	686	440	513	418
3	588	535	708	600	620	1020	480	784	677	438	402	420
4	565	536	741	600	540	970	587	785	673	421	410	422
5	572	516	700	600	540	972	673	756	686	408	410	456
6	555	527	752	600	440	943	815	751	657	430	418	442
7	552	507	680	600	420	910	950	657	632	487	458	446
8	546	529	640	600	400	854	977	616	817	470	402	446
9	544	474	700	580	390	878	983	605	749	452	402	462
10	540	527	790	520	460	865	936	603	671	447	402	413
11	538	525	782	410	480	869	858	714	643	461	410	455
12	513	567	741	430	470	857	819	635	621	446	395	466
13	472	519	741	540	500	878	743	608	630	453	410	453
14	463	541	732	560	490	582	766	616	665	425	434	455
15	437	546	730	580	480	863	905	720	639	422	442	475
16	451	514	731	560	540	923	1030	690	643	393	458	485
17	455	524	720	560	620	946	1000	696	674	365	442	475
18	472	543	680	600	700	903	839	685	640	375	482	466
19	446	512	760	620	740	907	965	671	684	397	450	468
20	423	529	740	660	800	919	761	640	750	415	442	460
21	451	534	700	640	780	918	720	630	749	407	544	460
22	424	651	680	640	820	886	741	665	863	436	466	456
23	423	762	660	620	840	924	765	763	796	451	459	465
24	432	780	600	620	920	841	780	749	732	402	434	467
25	453	790	560	600	940	567	763	718	687	402	410	478
26	437	710	580	600	920	570	737	710	700	388	418	466
27	452	764	660	580	900	487	772	691	685	388	442	469
28	496	733	680	560	340	260	875	702	671	380	410	477
29	472	712	680	520	---	303	1030	694	644	373	426	481
30	513	568	680	500	---	523	961	695	665	373	426	481
31	530	---	640	520	---	700	---	673	---	850	426	---
TOTAL	15166	17710	21655	17930	17670	25363	24426	21693	20806	13554	13421	13721
MEAN	489	590	699	578	631	818	814	700	693	437	433	457
MAX	588	790	790	640	940	1030	1030	868	863	850	544	486
MIN	424	474	560	410	340	260	480	605	621	365	395	418
AC-FT	30080	35130	42950	35560	35050	50310	48450	43030	41260	26880	26620	27220

CAL YR 1974 TOTAL 237204 MEAN 650 MAX 1500 MIN 240 AC-FT 470500
WTR YR 1975 TOTAL *223211 MEAN 612 MAX 1030 MIN 260 AC-FT 442700

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06462000 Niobrara River near Norden, Nebr.

LOCATION.--Lat 42°47'13", long 100°02'06", in N1/2SW1/4 sec.33, T.33 N., R.23 W., Keya Paha County, on left bank 60 ft (18 m) downstream from county road bridge, 1.5 mi (2.4 km) downstream from Fairfield Creek, and 6 mi (10 km) south of Norden.

DRAINAGE AREA.--8,390 mi² (21,700 km²), approximately.

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,109.93 ft (643.107 m) above mean sea level.

AVERAGE DISCHARGE.--23 years, 874 ft³/s (24.75 m³/s), 633,200 acre-ft/yr (0.781 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,570 ft³/s (44.5 m³/s) Apr. 28, gage height, 2.32 ft (0.707 m); maximum gage height, 3.35 ft (1.021 m) Jan. 14, ice jam; minimum daily discharge, 320 ft³/s (9.06 m³/s) Feb. 9.

Period of record: Maximum discharge, 7,380 ft³/s (209 m³/s) July 1, 1962, gage height, 7.10 ft (2.164 m), backwater from bridge in channel; maximum gage height, 10.24 ft (3.121 m) Mar. 11, 1966, ice jam and backwater from bridge in channel; minimum daily discharge, 130 ft³/s (3.68 m³/s) Jan. 10, 1957.

REMARKS.--Records fair except those for winter period, which are poor. Flow affected by regulation at powerplants, diversions for irrigation, return flow from irrigated areas, storage in Box Butte Reservoir (see sta 06455000), and since May 1964 storage in Merritt Reservoir (see sta 06459300). Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	569	772	828	680	620	1020	636	1010	774	589	585	519
2	560	748	844	720	680	1070	600	901	780	519	477	511
3	592	684	892	680	700	1140	540	830	746	513	442	515
4	612	700	1020	680	600	1060	700	837	739	512	445	515
5	582	668	1090	680	540	1120	844	838	750	492	438	530
6	692	644	1080	680	400	1070	884	771	738	496	449	550
7	660	620	1000	660	370	948	996	700	714	520	453	527
8	575	620	836	620	340	876	1320	644	812	556	469	532
9	612	590	964	560	320	844	1370	651	956	523	453	549
10	598	605	1010	450	390	820	1250	762	787	517	445	536
11	612	605	1110	350	420	860	990	868	772	513	449	519
12	575	605	1080	450	410	900	930	746	731	519	434	553
13	644	620	1040	620	450	1020	846	690	717	525	453	570
14	620	605	1060	680	440	996	782	724	766	511	465	539
15	620	560	1050	720	430	916	980	818	756	516	485	575
16	568	590	1040	680	520	924	1080	825	725	449	521	565
17	605	545	972	680	580	980	1050	790	756	464	504	570
18	628	628	1040	720	660	998	1120	731	794	444	541	565
19	644	636	1120	740	700	972	1060	738	753	464	527	646
20	590	605	1040	780	760	984	936	739	809	506	519	636
21	636	644	940	800	740	984	880	751	829	491	683	712
22	684	820	840	760	760	1020	818	740	964	545	590	712
23	668	1040	780	750	800	1050	880	761	881	550	508	641
24	652	1080	700	720	940	1030	834	832	840	473	516	584
25	660	1040	620	700	1000	714	859	773	769	469	499	574
26	700	964	640	700	980	706	794	779	773	464	506	589
27	644	948	700	680	960	600	805	755	758	445	522	579
28	708	940	760	660	1000	350	966	768	737	446	513	570
29	660	884	780	600	---	450	1130	749	705	433	518	560
30	740	812	780	600	---	575	1100	746	706	430	526	584
31	796	---	740	620	---	676	---	744	---	706	513	---
TOTAL	19696	21822	28396	20420	17410	27673	27939	24011	23337	15600	15447	17126
MEAN	635	727	916	659	622	893	931	775	778	503	498	571
MAX	796	1080	1120	800	1000	1140	1370	1010	964	706	683	712
MIN	560	545	620	350	320	350	540	644	705	430	434	511
AC-FT	39070	43280	56320	40500	34530	54890	55420	47630	46290	30940	30640	33970

CAL YR 1974 TOTAL 275763 MEAN 756 MAX 1700 MIN 300 AC-FT 547000
WTR YR 1975 TOTAL 258877 MEAN 709 MAX 1370 MIN 320 AC-FT 513500

06462500 Plum Creek at Meadville, Nebr.

LOCATION.--Lat 42°45'05", long 99°52'05", in NE1/4NW1/4 sec.14, T.32 N., R.22 W., Brown County, on left bank 0.4 mi (0.6 km) upstream from county road bridge, 1 mi (2 km) upstream from mouth, 1 mi (2 km) southwest of Meadville, and 17 mi (27 km) north of Ainsworth.

DRAINAGE AREA.--600 mi² (1,550 km²), approximately, of which about 340 mi² (880 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--December 1947 to September 1975 (discontinued). Prior to October 1962, published as "near Meadville."

GAGE.--Water-stage recorder. Altitude of gage is 2,035 ft (620.3 m), from topographic map. Prior to Nov. 25, 1962, at site 6.5 mi (10.5 km) upstream at different datum. Nov. 25, 1962, to Nov. 18, 1966, at present site at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--27 years (1948-75), 107 ft³/s (3.030 m³/s), 77,520 acre-ft/yr (95.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 166 ft³/s (4.70 m³/s) Apr. 9, gage height, 1.16 ft (0.354 m); maximum gage height, 2.37 ft (0.722 m) Jan. 12, backwater from ice; minimum daily discharge, 78 ft³/s (2.21 m³/s) Aug. 8,9.

Period of record: Maximum discharge, 2,070 ft³/s (58.6 m³/s) Sept. 18, 1967, gage height, 4.98 ft (1.518 m); maximum gage height observed, 7.54 ft (2.298 m) Dec. 6, 1964, backwater from ice, present datum; minimum daily discharge, 15 ft³/s (0.42 m³/s) Feb. 19, 1955.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1729: 1953. WSP 1917: 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	101	96	94	96	95	106	104	94	92	86	92
2	95	101	94	94	98	94	108	105	94	91	88	90
3	96	99	96	98	100	94	104	108	99	90	87	84
4	99	98	96	100	98	94	109	104	102	89	82	83
5	95	96	96	101	92	95	113	*103	99	90	80	86
6	93	95	96	103	94	94	116	102	96	89	80	89
7	92	94	96	103	98	94	143	102	95	89	80	86
8	93	95	94	108	84	92	152	105	99	91	78	84
9	94	94	96	110	88	92	150	122	109	90	78	86
10	95	95	96	110	94	93	154	132	98	80	79	89
11	94	96	96	110	94	95	139	123	96	90	81	89
12	92	94	97	90	90	96	135	111	99	88	82	90
13	92	94	96	102	94	94	124	101	97	89	82	93
14	91	94	97	110	92	95	122	100	101	84	83	95
15	92	94	98	104	90	96	122	98	111	84	85	97
16	92	93	98	94	90	97	120	96	106	90	86	98
17	92	96	97	100	90	101	119	96	99	80	87	98
18	92	96	97	110	92	104	115	95	97	79	88	95
19	92	95	98	120	92	104	113	96	114	81	89	94
20	92	95	98	117	94	102	113	95	108	82	87	94
21	92	97	97	112	92	105	115	94	108	95	91	94
22	92	98	98	112	88	105	111	101	105	96	93	93
23	93	98	98	110	90	105	106	109	96	95	94	92
24	94	98	94	110	94	99	97	109	94	94	94	92
25	94	96	88	112	95	94	105	102	97	95	86	93
26	93	94	92	110	94	98	105	96	93	94	81	94
27	92	97	92	110	93	106	105	94	92	92	83	94
28	93	99	90	110	95	104	107	97	92	87	82	94
29	94	100	90	100	---	100	105	96	91	84	88	94
30	98	97	92	94	---	100	104	96	91	80	90	94
31	101	---	92	94	---	104	---	96	---	81	90	---
TOTAL	2903	2889	2951	3252	2601	3041	3537	3189	2971	2720	2640	2746
MEAN	93.6	96.3	95.2	105	92.9	98.1	118	103	99.0	87.7	85.2	91.5
MAX	101	101	98	120	100	106	154	132	114	96	94	98
MIN	91	93	88	90	84	92	97	94	91	77	78	83
AC-FT	5760	5730	5850	6450	5160	6030	7020	6320	5890	5400	5240	5450

CAL YR 1974 TOTAL 40387 MEAN 111 MAX 193 MIN 73 AC-FT 80110
WTR YR 1975 TOTAL 35439 MEAN 97.1 MAX 154 MIN 78 AC-FT 70290

PEAK DISCHARGE (BASE, 300 FT³/S).--No peak above base.

06463500 Long Pine Creek near Riverview, Nebr.

LOCATION.--Lat 42°41'20", long 99°41'20", in N1/2 sec.5, T.31 N., R.20 W., Brown County, on right bank 7 ft (2 m) downstream from county road bridge, 1 mi (2 km) downstream from Bone Creek, and 5.5 mi (8.8 km) southwest of Riverview.

DRAINAGE AREA.--390 mi² (1,010 km²), approximately.

PERIOD OF RECORD.--April 1948 to January 1954, September 1954 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,983.34 ft (604.522 m) above mean sea level, (levels by Bureau of Reclamation). Prior to Dec. 7, 1962, at site 100 ft (30 m) upstream at present datum.

AVERAGE DISCHARGE.--26 years (1948-53, 1954-75), 134 ft³/s (3.795 m³/s), 97,080 acre-ft/yr (0.120 km³/yr).

EXTREMES.--Current year: Maximum discharge, 341 ft³/s (9.66 m³/s) Apr. 6, gage height, 4.06 ft (1.237 m); minimum daily, 113 ft³/s (3.20 m³/s) Mar. 13.

Period of record: Maximum discharge, 9,650 ft³/s (273 m³/s) July 1, 1962, gage height, 15.68 ft (4.779 m), backwater from fallen bridge, from rating curve extended above 3,600 ft³/s (102 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 44 ft³/s (1.25 m³/s) Jan. 10, 1963.

REMARKS.--Records good, except those for winter period, which are fair.

REVISIONS (WATER YEARS).--WSP 1729: 1952(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	126	132	134	132	130	127	134	158	132	150	153
2	157	125	132	134	132	130	127	140	158	134	147	153
3	154	125	130	134	132	128	127	137	150	134	142	146
4	152	124	132	137	132	130	130	132	153	134	137	146
5	152	124	134	137	130	137	158	132	147	142	137	148
6	149	125	137	142	120	140	278	127	142	147	137	151
7	147	125	134	140	127	130	255	153	144	144	140	154
8	148	126	130	142	134	132	230	158	167	147	132	150
9	146	127	134	147	130	130	230	187	170	142	132	142
10	145	127	134	142	137	130	216	230	158	140	140	144
11	141	127	134	135	142	132	190	267	161	144	147	142
12	139	130	137	125	134	120	175	255	153	137	140	142
13	139	132	137	140	134	113	167	230	155	132	142	143
14	137	130	134	144	132	127	164	203	164	130	147	140
15	135	132	134	142	132	134	158	181	169	127	153	139
16	135	132	134	137	132	142	155	172	161	127	153	139
17	133	132	134	137	132	150	153	161	150	122	155	142
18	129	130	137	144	132	144	150	158	147	122	158	143
19	127	132	134	142	134	140	147	164	159	122	153	145
20	126	130	137	140	134	140	144	150	161	122	144	156
21	124	130	134	142	137	140	144	153	181	127	153	156
22	125	130	137	137	132	134	147	167	181	167	155	158
23	124	127	132	137	132	134	153	184	172	178	155	145
24	126	130	127	140	134	127	147	164	153	169	158	145
25	125	130	130	140	127	124	144	153	150	144	155	144
26	125	130	132	140	130	124	142	150	150	132	161	144
27	128	127	132	137	132	130	140	150	147	140	153	142
28	128	127	132	132	132	118	142	147	147	137	155	140
29	129	127	134	132	---	118	140	142	140	132	158	139
30	133	130	134	132	---	120	137	144	137	132	155	139
31	134	---	132	132	---	130	---	150	---	140	161	---
TOTAL	4251	3849	4137	4276	3700	4054	4917	5175	4684	4279	4605	4366
MEAN	137	128	133	138	132	131	164	167	156	138	149	146
MAX	159	132	137	147	142	150	278	267	181	178	161	156
MIN	124	124	127	125	120	113	127	127	137	122	132	139
AC-FT	8430	7630	8210	8480	7340	8040	9750	10260	9290	8490	9130	8660

CAL YR 1974 TOTAL 53585 MEAN 147 MAX 324 MIN 120 AC-FT 106300
WTR YR 1975 TOTAL 52293 MEAN 143 MAX 278 MIN 113 AC-FT 103700

PEAK DISCHARGE (BASE, 400 FT³/S).--No peak above base.

06464500 Keya Paha River at Wewela, S. Dak.

LOCATION.--Lat 43°01'42", long 99°46'45", in SE1/4 sec.24, T.95 N., R.76 W., Tripp County, on left bank 13 ft (4 m) downstream from bridge on U.S. Highway 183, 1.0 mi (1.6 km) north of Wewela, 4.5 mi (7.2 km) upstream from Holt Creek, and 11.5 mi (18.5 km) downstream from Lost Creek.

DRAINAGE AREA.--1,070 mi^2 (2,770 km^2), approximately.

PERIOD OF RECORD.--November 1937 to September 1940, October 1947 to current year. Monthly discharge only for October 1947, published in WSP 1309.

GAGE.--Water-stage recorder. Datum of gage is 2,049.78 ft (624.773 m) above mean sea level. Prior to June 21, 1957, nonrecording gage at site 13 ft (4.0 m) upstream at same datum.

AVERAGE DISCHARGE.--30 years (1938-40, 1947-75), 68.3 ft^3/s (1.934 m^3/s), 49,480 acre-ft/yr (61.0 hm^3/yr); median of yearly mean discharges, 57 ft^3/s (1.614 m^3/s), 41,300 acre-ft/yr (50.9 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 328 ft^3/s (9.29 m^3/s) Apr. 9, gage height, 2.97 ft (0.905 m); minimum daily, 1.9 ft^3/s (0.054 m^3/s) July 19.
Period of record: Maximum discharge, 5,430 ft^3/s (154 m^3/s) Mar. 31, 1952, gage height, 13.08 ft (3.987 m); maximum gage height, 13.5 ft (4.11 m) Mar. 25, 1950, from floodmark, backwater from ice; no flow Jan. 10 to Feb. 15, 1949.

REMARKS.--Records good except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	24	12	19	14	32	11	51	26	7.9	3.8	3.7
2	16	24	12	19	14	32	11	58	25	7.1	4.6	3.1
3	17	23	14	19	14	31	11	55	24	6.6	4.5	3.0
4	18	23	16	19	13	33	15	57	23	5.5	4.3	2.7
5	18	22	20	19	12	35	20	56	21	5.0	4.0	3.1
6	18	22	22	20	12	35	30	51	19	4.2	4.2	3.2
7	19	22	21	20	12	34	50	39	18	5.1	3.9	2.8
8	19	23	20	19	11	33	100	36	22	5.9	3.5	2.9
9	19	23	21	18	11	33	250	31	26	7.2	3.0	3.0
10	19	23	21	17	11	34	298	39	26	7.5	3.1	3.5
11	18	22	22	14	11	35	205	52	25	6.2	3.5	7.4
12	17	23	21	18	12	34	210	58	21	5.7	3.0	8.5
13	18	22	20	16	12	33	167	60	18	4.7	4.5	9.9
14	17	24	19	18	12	35	130	57	20	4.3	4.7	11
15	17	23	18	18	12	40	120	48	21	4.2	5.7	12
16	17	25	17	18	12	45	106	41	20	4.4	5.2	12
17	18	26	17	18	13	60	100	39	23	3.2	6.2	12
18	17	26	18	16	13	65	92	37	26	2.0	6.8	10
19	18	26	18	19	13	70	88	35	37	1.9	7.8	10
20	18	26	18	19	13	65	77	29	29	6.8	6.7	11
21	18	26	18	19	13	45	74	30	35	5.6	12	12
22	19	26	18	19	13	35	68	36	43	40	13	13
23	19	26	17	19	14	30	65	38	55	78	11	13
24	19	25	16	20	14	25	62	35	63	15	9.1	13
25	19	20	15	19	16	20	55	31	39	6.8	7.8	13
26	20	22	15	18	20	15	48	28	25	5.1	7.0	14
27	20	20	16	17	24	13	48	26	19	4.2	6.0	14
28	21	18	18	16	28	11	48	29	15	3.5	5.9	14
29	22	14	20	15	---	10	85	34	12	2.8	5.6	16
30	22	12	20	15	---	10	50	29	9.8	2.2	4.8	16
31	23	---	20	18	---	10	---	27	---	2.0	4.1	---
TOTAL	575	681	560	552	389	1038	2694	1272	785.8	270.6	179.3	272.8
MEAN	18.5	22.7	18.1	17.8	13.9	33.5	89.8	41.0	26.2	8.73	5.78	9.09
MAX	23	26	22	20	28	70	298	60	63	78	13	16
MIN	15	12	12	14	11	10	11	26	9.8	1.9	3.0	2.7
AC-FT	1140	1350	1110	1090	772	2060	5340	2520	1560	537	356	541

CAL YR 1974 TOTAL 11491.6 MEAN 31.5 MAX 160 MIN 4.9 AC-FT 22790
WTR YR 1975 TOTAL 9269.5 MEAN 25.4 MAX 298 MIN 1.9 AC-FT 18390

PEAK DISCHARGE (BASE, 250 FT^3/S).--Apr. 9 (2000) 328 ft^3/s (2.97 ft), July 23 (0030) 264 ft^3/s (2.74 ft).

06464900 Keya Paha River near Naper, Nebr.

LOCATION.--Lat 42°56'00", long 99°05'50", in SE1/4SE1/4 sec.17, T.34 N., R.15 W., Boyd County, on left bank 8 ft (2.4 m) downstream from highway bridge, 3.4 mi (5.5 km) south of Naper, and 8.6 mi (13.8 km) upstream from mouth.

DRAINAGE AREA.--1,630 mi² (4,220 km²), approximately.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,680 ft (512 m), from topographic map. Prior to May 2, [illegible], nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years, 133 ft³/s (3.767 m³/s), 96,360 acre-ft/yr (0.119 km³/yr); median of yearly mean discharges, 120 ft³/s (3.398 m³/s), 86,900 acre-ft/yr (0.107 km³/yr).

EXTREMES.--Current year: Maximum discharge, 811 ft³/s (23.0 m³/s) Apr. 8, gage height, 6.25 ft (1.905 m); maximum gage height, 6.82 ft (2.079 m) Mar. 13, backwater from ice; minimum daily discharge, 1.4 ft³/s (0.040 m³/s) Aug. 4.

Period of record: Maximum discharge, 9,280 ft³/s (263 m³/s) July 1, 1962, gage height, 10.91 ft (3.325 m); maximum gage height, 14.34 ft (4.366 m) Mar. 23, 1960, backwater from ice; minimum daily discharge, 0.70 ft³/s (0.020 m³/s) Sept. 9, 12, 1970.

REMARKS.--Records good except those for winter period, which are poor. Minor diversions for irrigation above station.

REVISIONS (WATER YEARS).--WSP 1730: 1959(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	55	34	43	43	68	69	80	57	25	2.9	2.2
2	23	53	35	40	44	66	64	93	53	19	2.5	2.0
3	32	53	38	37	38	64	78	80	49	13	1.6	1.8
4	33	51	49	39	43	69	160	73	46	10	1.4	2.5
5	30	49	52	36	39	86	241	67	41	6.1	1.8	3.3
6	41	49	63	40	38	70	381	62	29	5.9	2.1	2.4
7	35	51	66	39	39	73	471	62	24	4.4	2.4	2.0
8	38	48	60	41	42	74	673	60	49	14	2.3	2.0
9	33	47	64	42	42	82	702	57	70	16	3.3	2.0
10	34	47	68	35	43	92	656	96	61	9.1	4.3	1.8
11	36	50	69	38	41	79	399	151	54	6.5	5.5	1.9
12	36	50	72	36	42	76	271	114	50	4.3	6.9	2.5
13	47	51	70	37	41	69	237	94	44	3.9	12	2.5
14	36	51	66	42	40	60	171	91	54	3.3	15	3.9
15	35	51	64	45	40	110	210	62	68	2.6	19	6.4
16	40	66	62	47	41	118	214	79	60	2.9	79	9.5
17	41	58	59	46	40	125	190	71	76	1.6	60	11
18	43	57	54	45	43	135	186	62	66	1.4	40	11
19	42	54	52	46	44	155	169	59	63	1.7	24	8.8
20	44	50	56	40	44	170	147	55	66	1.9	20	12
21	43	48	44	50	46	150	133	54	112	1.8	19	12
22	43	53	56	48	54	140	125	58	111	3.4	16	12
23	46	47	44	45	46	110	141	72	93	12	14	13
24	44	46	43	47	54	74	125	90	85	42	12	11
25	43	52	44	47	50	65	103	75	79	53	11	12
26	41	49	49	47	58	70	93	67	76	20	9.0	11
27	44	45	43	46	62	73	97	61	58	9.4	6.7	14
28	40	40	44	48	66	74	90	59	44	4.7	3.7	22
29	46	36	49	47	---	75	93	57	35	2.7	2.8	21
30	52	38	46	46	---	76	93	58	30	2.0	2.5	22
31	61	---	45	46	---	72	---	59	---	2.1	2.5	---
TOTAL	1221	1494	1664	1323	1263	2852	6786	2278	1798	305.8	401.2	241.5
MEAN	39.4	49.8	53.7	42.7	45.1	92.0	226	73.5	59.9	9.86	12.9	8.05
MAX	61	66	72	50	66	170	702	151	112	53	79	22
MIN	23	36	34	35	38	60	58	54	24	1.4	1.4	1.8
AC-FT	2420	2960	3300	2620	2510	5660	13460	4520	3570	607	796	479

CAL YR 1974 TOTAL 31316.9 MEAN 85.8 MAX 900 MIN 1.1 AC-FT 62120
WTR YR 1975 TOTAL 21628.5 MEAN 59.3 MAX 702 MIN 1.4 AC-FT 42900

PEAK DISCHARGE (BASE, 900 FT³/S).--No peak above base.

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06465000 Niobrara River near Spencer, Nebr.

LOCATION.--Lat 42°48'33", long 98°30'19", in SE1/4NW1/4 sec.30, T.33 N., R.11 W., Boyd County, at Spencer powerplant dam 5 mi (8 km) southeast of Spencer.

DRAINAGE AREA.--12,100 mi² (31,300 km²), approximately.

PERIOD OF RECORD.--May to December 1908 (gage heights only); August 1913 to September 1914; October to December 1914, April to September 1915 (gage heights only); August 1927 to September 1936, June 1940 to current year. Published as "near Lynch" 1913-15. Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder and hourly log of powerplant operation. Datum of gage is 1,473.67 ft (449.175 m) above mean sea level. Elevation of taintor gate sill, 1,491.12 ft (454.493 m) above mean sea level. Prior to December 1908, nonrecording gage on former highway bridge 275 ft (83.8 m) downstream and Aug. 1, 1913, to Sept. 30, 1915, nonrecording gage at highway bridge 10 mi (16 km) downstream at different datums. Aug. 1, 1927, to Sept. 30, 1944, discharge computed as flow through powerhouse and over dam. Oct. 1, 1944, to Nov. 10, 1954, water-stage recorder at site 225 ft (68.6 m) downstream at datum 4.98 ft (1.518 m) higher, and Nov. 11, 1954, to Sept. 30, 1957, at site 0.3 mi (0.5 km) downstream at datum 9.78 ft (2.981 m) lower. Oct. 1, 1957, to Oct. 21, 1958, discharge computed as flow through powerhouse and over dam. Oct. 28, 1959, to Aug. 13, 1963, water-stage recorder at site 225 ft (68.6 m) downstream at present datum. Aug. 14, 1963, to Sept. 30, 1975, discharge computed as flow through powerhouse and over dam.

AVERAGE DISCHARGE.--45 years (1913-14, 1927-36, 1940-75), 1,400 ft³/s (39.65 m³/s), 1,014,000 acre-ft/yr (1.25 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 3,380 ft³/s (95.7 m³/s) Mar. 19; minimum daily, 282 ft³/s (7.99 m³/s) Jan. 14.

Period of record: Maximum discharge, 27,400 ft³/s (776 m³/s) Mar. 12, 1955, gage height, 12.16 ft (3.706 m), site and datum then in use; minimum daily, 5 ft³/s (0.14 m³/s) Nov. 14, Dec. 18, 19, 1940.

REMARKS.--Records good. Natural flow of stream affected by irrigation and power developments. Daily discharge determined from flow through turbines and taintor gates, computed from relation between discharge, head, and gate openings.

COOPERATION.--Powerplant log furnished by Nebraska Public Power District.

REVISIONS.--WDR Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	955	1270	912	1230	1210	1860	1170	1660	1110	982	672	673
2	959	1260	909	1240	1150	1940	1140	1600	1110	873	1040	677
3	957	1160	951	1120	1230	1920	1610	1700	1090	771	818	674
4	914	1130	1000	1090	1320	1870	2090	1630	1170	672	701	676
5	964	1150	1270	1110	1350	2000	2680	1220	1130	657	623	741
6	1010	1140	1660	1100	1240	2090	2210	1340	1010	641	626	728
7	1020	1130	1710	1170	962	2040	2050	1310	986	651	611	700
8	993	1120	1060	1290	798	1870	2750	1320	1490	741	598	727
9	923	1130	918	1420	819	1760	2990	1260	1800	862	583	703
10	941	888	1190	1340	941	1720	2660	1440	1520	828	612	682
11	936	1280	1400	845	985	1650	2250	1930	1340	752	608	673
12	1030	1020	1700	535	1110	1630	2340	1690	1240	736	620	928
13	1010	1100	1850	366	1290	1550	1960	1490	994	693	784	752
14	1000	1160	1510	282	1230	1580	1900	1370	1280	663	711	748
15	1030	1110	1250	295	1140	1760	1720	1240	1460	633	749	787
16	1010	1140	1210	259	1190	2140	1670	1180	1170	593	1440	702
17	964	1130	1240	460	1400	2670	1870	1220	1290	548	954	747
18	970	1100	1360	748	1400	3150	1910	1210	1120	514	954	780
19	1010	1130	1300	1030	1390	3380	1910	1180	1180	509	857	896
20	933	962	1310	1590	1460	3280	1750	1190	1530	692	775	899
21	1000	1270	1300	1820	1490	2060	1630	1290	1550	713	741	866
22	980	1050	1250	1840	1480	2040	1570	1200	1670	709	967	835
23	1020	1670	1140	1620	1390	2000	1710	1310	1360	1280	983	794
24	1060	1330	1030	1870	1510	1750	1590	1350	1270	1060	855	780
25	1040	1360	785	1890	1520	1230	1420	1280	1150	1090	726	912
26	1050	1440	683	1840	1540	1500	1390	1230	1170	1070	710	826
27	1070	1330	677	1720	1610	1720	1390	1150	1100	839	675	866
28	1030	1190	913	1610	1900	1540	1490	1240	982	614	670	932
29	1100	998	1090	1480	---	1340	1610	1130	976	591	668	941
30	1160	647	1160	1400	---	847	1610	1140	940	539	678	891
31	1290	---	1230	1300	---	1290	---	1100	---	537	675	---
TOTAL	31409	34595	37065	37181	36215	59447	55540	41600	37193	22927	23484	23336
MEAN	1013	1153	1196	1199	1293	1918	1851	1342	1240	740	758	778
MAX	1290	1670	1850	1890	1900	3380	2990	1930	1800	1280	1440	941
MIN	914	647	677	282	798	847	1140	1100	940	509	583	673
AC-FT	62300	68620	73520	73750	71830	117900	110200	82510	73770	45480	46580	46290

CAL YR 1974 TOTAL 464275 MEAN 1272 MAX 3460 MIN 427 AC-FT 920900
WTR YR 1975 TOTAL 439902 MEAN 1205 MAX 3380 MIN 282 AC-FT 872700

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06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.

LOCATION.--Lat 42°44'25", long 98°12'45", [illegible] Knox County, [illegible] bank 4 ft (1 m) downstream from [illegible] bridge, [illegible] from Verdigre Creek.

DRAINAGE AREA.--12,600 mi² (32,630 km²), approximately.

PERIOD OF RECORD.--April 1938 to May 1958, June 1958 to current year.

GAGE.--Water-stage recorder. [illegible] to June [illegible], 1939, nonrecording gage at same site [illegible] June 17, [illegible], and June 11, [illegible], recording gage 250 ft (76 m) downstream at present datum.

AVERAGE DISCHARGE.--[illegible] years, 1,532 ft³/s [illegible]

EXTREMES.--Current year: Maximum daily discharge, [illegible] ft³/s [illegible]; maximum gage height observed, [illegible] ft [illegible] Jan. 23,28, backwater from ice; minimum daily discharge, [illegible] ft³/s [illegible] Jan. 14,15.
Period of record: Maximum discharge, [illegible] ft³/s [illegible] Mar. 27, [illegible], gage height, [illegible] ft [illegible]; maximum gage height, [illegible] ft [illegible] Mar. [illegible], backwater from ice; minimum daily discharge, 154 ft³/s [illegible] Nov. [illegible], 19[illegible].

REMARKS.--Records good. Natural flow of stream affected by irrigation and power developments. Records of water temperatures and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS.--[illegible]. [illegible]: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	1110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	1140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AC-FT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1974 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] AC-FT [illegible]
WTR YR 1975 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] AC-FT [illegible]

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06466500 Bazile Creek near Niobrara, Nebr.

LOCATION.--Lat 42°45'00", long 97°56'10", in NE1/4 sec.18, T.32 N., R.5 W., Knox County, on downstream side of left pier of bridge on State Highway 12, 2.5 mi (4.0 km) upstream from mouth and 4.5 mi (7.2 km) east of Niobrara.

DRAINAGE AREA.--440 mi² (1,140 km²), approximately.

PERIOD OF RECORD.--May 1952 to current year. Records for October 1931 to September 1932, published in WSP 731, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder for stages above 4.3 ft (1.31 m) and nonrecording gage read once daily. Datum of gage is 1,210.81 ft (369.055 m) above mean sea level. Prior to Dec. 16, 1952, nonrecording gage only, and Dec. 16, 1952, to June 16, 1957, water-stage recorder, above 4.2 ft (1.28 m), at present site at datum 4 ft (1.2 m) higher. June 17, 1957, to Sept. 14, 1958, water-stage recorder above 8.2 ft (2.50 m) at present datum.

AVERAGE DISCHARGE.--23 years, 87.2 ft³/s (2.470 m³/s), 63,180 acre-ft/yr (77.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 355 ft³/s (10.1 m³/s) Aug. 16, gage height, 12.37 ft (3.770 m); maximum gage height observed, 13.61 ft (4.148 m) Mar. 17, backwater from ice; minimum daily discharge, 6.5 ft³/s (0.18 m³/s) July 30.

Period of record: Maximum discharge, 68,600 ft³/s (1,940 m³/s) June 16, 1957, gage height, 19.96 ft (6.084 m), present datum, from high point on surge, from rating curve extended above 6,500 ft³/s (184 m³/s) on basis of contracted-opening measurements at gage heights 15.36 ft (4.682 m) and 19.96 ft (6.084 m), present datum; maximum gage height, 20.25 ft (6.172 m) Feb. 19, 1971, backwater from ice; minimum daily discharge, 0.60 ft³/s (0.017 m³/s) Aug. 14, 1970.

Flood of June 19, 1951, reached a stage of 15.36 ft (4.682 m), present datum, from floodmarks, discharge, 24,400 ft³/s (691 m³/s) on basis of contracted-opening measurement of peak flow.

REMARKS.--Records good except those for winter period, which are poor. Minor diversions for irrigation above station.

REVISIONS (WATER YEARS).--WSP 1279: 1952. WSP 1729: 1958(M). See also PERIOD OF RECORD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	50	17	29	47	92	85	55	36	29	25	14
2	31	45	18	31	44	92	70	65	33	27	32	14
3	30	41	20	38	46	90	60	75	32	25	17	12
4	30	41	25	39	46	90	65	71	33	24	12	14
5	31	40	30	39	50	90	67	67	32	22	11	21
6	30	40	33	39	46	98	115	77	27	21	9.7	21
7	30	40	30	36	48	96	63	85	26	21	9.1	21
8	28	40	26	47	43	90	129	65	38	22	7.6	20
9	30	41	32	46	41	86	154	58	56	21	7.9	19
10	30	44	42	44	44	80	122	60	68	21	7.3	17
11	30	41	41	43	46	74	91	81	45	21	9.8	17
12	30	42	40	35	44	64	87	91	42	21	9.7	22
13	34	44	39	34	46	66	83	83	32	21	18	22
14	33	42	39	45	43	70	95	67	42	20	16	21
15	34	42	37	48	49	80	115	58	51	17	14	22
16	35	41	38	49	44	92	97	51	49	15	159	23
17	34	41	39	60	47	140	93	48	40	14	60	22
18	34	42	54	64	48	210	87	47	60	12	31	20
19	34	40	41	72	49	170	85	44	93	14	26	20
20	34	39	49	80	43	139	97	41	115	19	21	23
21	34	38	38	72	46	115	75	38	128	20	19	24
22	33	35	33	70	48	103	79	45	259	20	23	22
23	34	34	32	66	54	89	85	48	207	21	22	22
24	37	33	29	66	54	90	77	42	122	21	20	21
25	37	35	28	66	54	101	69	38	79	17	17	22
26	37	37	27	62	58	101	63	38	55	13	17	23
27	37	40	32	56	68	108	63	34	45	11	17	28
28	38	35	34	56	68	91	63	44	41	9.7	17	31
29	42	25	33	54	---	74	58	50	35	8.2	15	30
30	45	20	29	54	---	66	56	38	32	6.5	14	28
31	53	---	30	52	---	95	---	35	---	6.8	14	---
TOTAL	1059	1167	1034	1592	1362	3041	2547	1739	1944	560.2	698.1	636
MEAN	34.2	38.9	33.4	51.4	48.6	98.1	84.9	56.1	64.8	18.1	22.5	21.2
MAX	53	50	54	80	68	210	154	91	259	29	159	31
MIN	28	20	17	29	41	64	56	34	26	6.5	7.3	12
AC-FT	2100	2310	2050	3160	2700	6030	5050	3450	3860	1110	1380	1260

CAL YR 1974 TOTAL 19717.7 MEAN 54.0 MAX 184 MIN 5.5 AC-FT 39110
WTR YR 1975 TOTAL 17379.3 MEAN 47.6 MAX 259 MIN 6.5 AC-FT 34470

PEAK DISCHARGE (BASE, 2,000 FT³/S).--No peak above base.

06467000 Lewis and Clark Lake near Yankton, S. Dak.

LOCATION.--Lat 42°50'56", long 97°28'54", in SW1/4 sec.7, T.33 N., R.1 W., Cedar County, Nebr., in powerhouse of Gavins Point Dam on Missouri River, 3.75 mi (6.03 km) southwest of Yankton, 13.6 mi (21.9 km) upstream from James River, 32.5 mi (52.3 km) downstream from Niobrara River, and at mi 811.0 (1,304.9 km).

DRAINAGE AREA.--279,500 mi^2 (723,900 km^2), approximately.

PERIOD OF RECORD.--July 1955 to current year. Prior to October 1955, published as Gavins Point Reservoir near Yankton.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Dec. 9, 1955, recorder at temporary location on wall of intake structure unit 3.

EXTREMES.--Current year: Maximum contents, 474,000 acre-ft (0.584 km^3) Jan. 26, elevation, 1,208.4 ft (368.32 m); minimum, 339,000 acre-ft (0.418 km^3) Mar. 26, elevation, 1,203.7 ft (366.89 m).

Period of record: Maximum contents, 565,000 acre-ft (0.697 km^3) Apr. 1, 1960, elevation, 1,210.7 ft (369.02 m), affected by wind; minimum since initial filling, 61,950 acre-ft (76.4 hm^3) Apr. 23, 1956, elevation, 1,188.1 ft (362.13 m).

REMARKS.--Reservoir is formed by earthfill dam; storage began in July 1955. Maximum capacity, 541,000 acre-ft (0.667 km^3) below elevation 1,210.0 ft (368.81 m), top of spillway gates. Normal maximum, 477,000 acre-ft (0.588 km^3) below elevation 1,208.0 ft (368.20 m). Inactive storage, 156,000 acre-ft (0.192 km^3) below elevation 1,195.0 ft (364.24 m). Dead storage, 18,000 acre-ft (22.2 hm^3) below elevation 1,180.0 ft (359.66 m), crest of spillway. Figures given herein represent elevations at powerhouse and total contents adjusted for wind effect.

The spillway consists of 14 Taintor gates, each 40 ft (12 m) wide by 30 ft (9 m) high; spillway capacity, 280,000 ft^3/s (7,930 m^3/s) at pool elevation 1,210.0 ft (368.81 m). Crest of spillway is at elevation 1,180 ft (360 m). Normal releases are through 3 power units, installation completed in January 1957; maximum release through power units is 35,000 ft^3/s (991 m^3/s) at pool elevation 1,210.0 ft (368.81 m). Water is used for flood control, navigation, power, and incidental uses.

COOPERATION.--Elevations and contents furnished by Corps of Engineers.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	1,208.1	462,000	-
Oct. 31	1,208.3	469,000	+7,000
Nov. 30	1,207.7	452,000	-17,000
Dec. 31	1,207.8	455,000	+3,000
CAL YR 1974	-	-	-4,000
Jan. 31	1,207.9	457,000	+2,000
Feb. 28	1,204.8	370,000	-87,000
Mar. 31	1,205.2	382,000	+12,000
Apr. 30	1,205.4	385,000	+3,000
May 31	1,205.1	378,000	-7,000
June 30	1,205.4	385,000	+7,000
July 31	1,207.5	447,000	+62,000
Aug. 31	1,207.7	451,000	+4,000
Sept. 30	1,208.0	458,000	+7,000
WTR YR 1975	-	-	-4,000

06467500 Missouri River at Yankton, S. Dak.

LOCATION.--Lat 42°51'58", long 97°23'37", in SW1/4SW1/4 sec.18, T.93 N., R.55 W., Yankton County, near left bank in downstream end of left pier of Meridian Highway Bridge on U.S. Highway 81, 5.2 mi (8.4 km) downstream from Gavins Point Dam, 6.0 mi (9.7 km) upstream from James River, and at mi 805.8 (1,296.5 km).

DRAINAGE AREA.--279,500 mi² (723,900 km²), approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1309. Gage-height records collected at same site March 1873 to November 1886, March 1905 to May 1908 (fragmentary), August 1921 to date (except winter months prior to 1932) are contained in reports of the U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 1,139.68 ft (347.374 m) above mean sea level. Prior to Sept. 20, 1932, nonrecording gage and Sept. 20, 1932, to Mar. 9, 1967, water-stage recorder at present site and at datum 20.00 ft (6.096 m) higher.

AVERAGE DISCHARGE.--45 years, 25,770 ft³/s (729.8 m³/s), 18,670,000 acre-ft/yr (23.0 km³/yr).

EXTREMES.--Current year: Maximum discharge, 64,300 ft³/s (1,820 m³/s) Sept. 11, gage height, 23.24 ft (7.084 m); minimum daily, 17,000 ft³/s (481 m³/s) Dec. 8,9, Jan. 25, Mar. 17.

Period of record: Maximum discharge, 480,000 ft³/s (13,600 m³/s) Apr. 13, 1952; maximum gage height, 35.5 ft (10.82 m) Apr. 13, 14, 1952 (present datum); minimum daily discharge, 2,700 ft³/s (76.5 m³/s) Nov. 15, 16, 1940.

Maximum stage known, 50.5 ft (15.39 m) Apr. 5, 1881, ice jam, present datum.

REMARKS.--Records good. Flow completely regulated by Lewis and Clark Lake 5.2 mi (8.4 km) upstream since July 1955. (See sta 06467000.) Many diversions for irrigation and water supply above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35700	32100	17400	17700	17400	17800	28000	28700	35700	42900	63000	63000
2	35500	31900	17500	17800	17200	17500	28300	28700	35600	44100	63000	63000
3	35600	32200	17400	17600	17300	17500	28900	28700	35600	45600	62900	63200
4	35400	32900	17400	17600	17300	17400	29400	28800	35400	48500	63000	63200
5	36500	33500	17400	17500	17100	17600	29500	28700	35500	49100	63000	63200
6	36400	32600	17400	17500	17200	17600	29600	29400	35600	49300	63100	63100
7	36400	32600	17200	17600	17300	17400	30000	29700	35600	49200	62700	63200
8	36400	32600	17000	17600	17200	17500	29800	29800	35900	49100	62800	63200
9	36400	32600	17000	17600	17200	17500	28400	29700	38100	49000	63300	63400
10	37000	32500	17700	17600	17200	17600	27900	29700	40500	49100	63400	63400
11	37000	32500	17900	17700	17100	17800	27900	29600	40600	48900	63400	63400
12	37000	32600	17600	17700	17100	17200	28400	29600	40900	49000	63100	63000
13	36200	32700	17700	17700	17200	17400	29000	30300	41000	49000	62900	62800
14	34300	32400	17400	17700	17200	17400	29000	30300	41200	49100	62900	62600
15	34500	32500	17100	17700	17200	17500	29000	33000	41100	49200	63200	62600
16	34500	32500	17300	17700	17200	17600	29100	33600	41400	52900	63100	62600
17	34500	32400	17500	17500	17200	17000	29500	33800	41600	54300	62900	62500
18	34400	32400	17400	17600	17100	18000	29400	33800	39600	55400	62900	62300
19	34300	32300	17600	17300	17200	17600	29400	33900	37100	56300	62900	62300
20	34400	32300	17700	17300	17200	17600	29600	33900	37000	57100	62900	62200
21	34400	32500	17700	17100	17200	17600	29400	33900	36800	58200	62900	62200
22	34400	32500	17700	17300	17200	20300	29600	35000	36700	59300	62800	62100
23	34400	31400	17600	17300	17200	22000	29500	36400	36800	60300	62500	62100
24	34400	28900	17700	17100	17200	20100	29300	36200	36700	61200	62500	62300
25	34000	26300	17700	17000	17300	22500	29900	36100	36600	61400	62800	62300
26	33600	23700	17700	17200	17600	25300	30200	36000	37500	61600	63000	62300
27	33800	21000	17900	17100	17800	26900	29500	36000	42000	61900	63000	62300
28	33700	18100	17800	17300	18000	26000	28400	36100	43300	61900	63100	62100
29	33700	17600	17800	17300	---	27000	27600	35900	43300	62400	63200	61800
30	33800	17500	17800	17300	---	27500	28100	35800	42900	62600	63200	62000
31	33500	---	17700	17400	---	27200	---	35700	---	62200	63100	---
TOTAL	1086100	899600	543700	541400	483600	612900	871600	1006800	1157600	1670100	1952500	1879700
MEAN	35040	29990	17540	17460	17270	19770	29050	32480	38590	53870	62980	62660
MAX	37000	33500	17900	17800	18000	27500	30200	36400	43300	62600	63400	63400
MIN	33500	17500	17000	17000	17100	17000	27600	28700	35400	42900	62500	61800
AC-FT	2154000	1784000	1078000	1074000	959200	1216000	1729000	1997000	2296000	3313000	3873000	3728000

CAL YR 1974 TOTAL 10261500 MEAN 28110 MAX 37400 MIN 16800 AC-FT 20350000
WTR YR 1975 TOTAL 12705600 MEAN 34810 MAX 63400 MIN 17000 AC-FT 25200000

06486000 Missouri River at Sioux City, Iowa
(National stream-quality accounting network station)

LOCATION.--Lat 42°29'10", long 96°24'47", in NW1/4SE1/4 sec.16, T.29 N., R.9 E., sixth principal meridian, Dakota County, Nebr., on right bank on upstream side of bridge on U.S. Highway 77 at South Sioux City, Nebr., 2.0 mi (3.2 km) downstream from Big Sioux River and at mi 732.3 (1,178.3 km).

DRAINAGE AREA.--314,600 mi² (814,800 km²), approximately.

PERIOD OF RECORD.--October 1897 to current year in reports of Geological Survey. Prior to October 1928 and October 1931 to September 1938 monthly discharge only, published in WSP 1310. January 1879 to December 1890 (monthly discharge only) in House Document 238, 73rd Congress, 2d session, Missouri River. Gage-height records collected in this vicinity September 1878 to December 1899 are contained in reports of Missouri River Commission and since July 1889 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 1,056.98 ft (322.168 m) above mean sea level. Sept. 2, 1878, to Dec. 31, 1905, nonrecording gages at various locations within 1.7 mi (2.7 km) of present site and at various datums. Jan. 1, 1906, to Feb. 14, 1935, nonrecording gage, and Feb. 15, 1935, to Sept. 30, 1969, water-stage recorder at present site at datum 19.98 ft (6.090 m) higher, and Oct. 1, 1969, to Sept. 30, 1970, at datum 20.00 ft (6.096 m) higher.

AVERAGE DISCHARGE.--78 years, 31,910 ft³/s (903.7 m³/s), 23,120,000 acre-ft/yr (28.5 km³/yr).

EXTREMES.--Current year: Maximum discharge, 64,900 ft³/s (1,840 m³/s) Sept. 6, gage height, 26.41 ft (8.050 m); maximum gage height, 26.66 ft (8.126 m) Aug. 26; minimum daily discharge, 8,000 ft³/s (227 m³/s) Jan 12; minimum gage height not determined, occurred during period of no gage-height record Jan. 12.
Period of record: Maximum discharge, 441,000 ft³/s (12,500 m³/s) Apr. 14, 1952, gage height, 24.28 ft (7.401 m); minimum, 2,500 ft³/s (70.8 m³/s) Dec. 29, 1941; minimum gage height, -6.60 ft (-2.012 m), datum then in use, Dec. 14, 1968, result of freezeup.

REMARKS.--Records good except those for winter period, which are poor. Flow partly regulated by upstream main-stem reservoirs. Records of chemical analyses, water temperatures, and suspended-sediment discharges for the water year 1975 are published in Part 2 of WRD Iowa 1975.

REVISIONS (WATER YEARS).--WSP 716: 1929-30. WSP 876: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35400	34000	19500	18500	17800	18000	27600	30300	36200	43600	62600	63600
2	35900	32800	19200	18500	17800	17900	26800	31600	36700	43300	63600	63900
3	36200	32300	19000	18800	18500	17800	29000	31600	37300	43600	62900	63900
4	36200	32300	18700	18400	18500	17800	28800	29800	37000	45800	62600	63600
5	35900	33000	18700	18500	16500	17900	29800	30000	37300	48600	62900	64200
6	36400	33600	18800	18200	14000	18700	30000	29800	37300	49800	62600	63900
7	36400	33600	18700	17900	15000	18400	30300	30800	36700	49600	62600	63900
8	36200	33300	17800	18500	17500	17900	31000	30600	36400	49800	62600	63200
9	36200	33300	17500	18200	17500	17900	31300	30000	37300	50100	62300	63200
10	36400	33300	19000	18300	17500	17900	30600	30000	38900	49800	63600	63600
11	37300	32800	18700	11600	18000	18000	29800	30600	42500	50100	63200	63900
12	37600	33000	19200	8000	19000	18200	29000	30300	42000	49800	63600	63200
13	37300	33000	18900	11500	18500	18300	29300	30000	41100	49200	63200	62900
14	37600	33800	18900	17000	18000	17200	30800	31000	41700	49200	62900	62900
15	35400	33000	19000	19000	18000	18000	30300	31300	42800	49200	62900	62900
16	35400	33000	18800	20000	18500	18700	30000	33600	42200	49800	63600	63200
17	34800	33300	18000	20000	18500	19500	30000	35100	42800	52200	63200	63200
18	34600	33600	18900	20000	18500	19900	31000	35100	44200	54900	63200	63900
19	34800	33600	19300	20000	18500	18900	31000	34800	42500	56400	62900	63600
20	34600	33600	19400	19500	18500	18700	30800	34300	40300	57000	62600	63200
21	34800	33300	19200	19000	18500	18500	31000	34600	39500	57600	62600	62600
22	35100	33300	19200	18500	18500	18900	31300	34600	39200	58800	63200	62600
23	34600	33600	19400	18500	18500	21000	31000	35400	38600	60300	63900	62900
24	34600	32600	18500	18500	18500	23400	29800	37800	38600	60600	62900	62900
25	34300	29800	18200	19000	18000	20500	28800	37300	38400	61000	63200	62900
26	33800	27800	19000	19000	18000	21600	30000	37300	38100	62000	63600	63200
27	33600	25400	19700	18500	17900	25000	30600	37000	39200	62300	63200	63200
28	33800	23200	19000	18500	18000	27100	30600	37600	43000	62300	63200	63200
29	34600	21100	18900	18000	---	25700	30000	36700	45000	63200	63600	62600
30	34600	19900	18700	18000	---	25700	28600	35600	44400	62600	63600	62600
31	34300	---	18700	18000	---	27800	---	35900	---	62600	63200	---
TOTAL	1098700	944200	584500	553900	500500	620800	898900	1030400	1197200	1665300	1955800	1898600
MEAN	35440	31470	18850	17870	17880	20030	29960	33240	39910	53720	63090	63290
MAX	37600	34000	19700	20000	19000	27800	31300	37800	45000	63200	63900	64200
MIN	33600	19900	17500	8000	14000	17200	26800	29800	36200	43300	62300	62600
AC-FT	2179000	1873000	1159000	1099000	992700	1231000	1783000	2044000	2375000	3303000	3879000	3766000

CAL YR 1974 TOTAL 10564500 MEAN 28940 MAX 40000 MIN 13000 AC-FT 20950000
WTR YR 1975 TOTAL 12948800 MEAN 35480 MAX 64200 MIN 8000 AC-FT 25680000

M Expressed in thousands.

06601000 Omaha Creek at Homer, Nebr. 1975

LOCATION.--Lat 42°19'29", long 96°29'43", in SW1/4SE1/4 sec.11, T.27 N., R.8 E., Dakota County, on left bank 80 ft (24 m) downstream from bridge on main street of Homer.

DRAINAGE AREA.--168 mi^2 (435 km^2).

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,082.45 ft (329.931 m) above mean sea level. Prior to Aug. 4, 1952, at bridge 0.5 mi (0.8 km) downstream at datum 8.03 ft (2.448 m) lower. Aug. 4, 1952, to Nov. 3, 1966, at site 80 ft (24 m) upstream at present datum.

AVERAGE DISCHARGE.--30 years, 35.9 ft^3/s (1.017 m^3/s), 26,010 acre-ft/yr (32.1 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 4,860 ft^3/s (138 m^3/s) June 20, gage height, 17.31 ft (5.276 m); minimum daily, 3.0 ft^3/s (0.085 m^3/s) Jan. 13.

Period of record: Maximum discharge, 18,100 ft^3/s (513 m^3/s) Feb. 19, 1971, gage height, 26.47 ft (8.068 m), from floodmark, from rating curve extended above 3,700 ft^3/s (105 m^3/s) on basis of slope-area measurements at gage heights 16.38 ft (4.993 m) and 23.62 ft (7.199 m); minimum daily, 0.1 ft^3/s (0.003 m^3/s) Sept. 16, 18, 19, 1948, Sept. 9, 13, 14, 1955, Oct. 7, 8, 1957.

Greatest flood known occurred June 4, 1940, stage, about 32.5 ft (9.91 m), present site and datum, discharge estimated as 51,000 ft^3/s (1,440 m^3/s) at site 2.5 miles upstream from present site.

REVISIONS.--Figures of maximum discharge for the water years 1972 and 1973 have been revised to 4,920 ft^3/s (139 m^3/s) July 17, 1972, gage height, 17.5 ft (5.33 m) and 1,540 ft^3/s (43.6 m^3/s) July 9, 1973, gage height, 8.89 ft (2.710 m), superseding figures published in WRD Nebr., 1972 and 1973.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WRD Nebr. 1972: Drainage area. Revised figures of discharge, in cubic feet per second for the water years 1971-73, superseding those published in WRD Nebr. 1971-73, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
1971		1971-Con.		1972-Con.		1972-Con.	
Feb. 27	197	June 4	150	Feb. 24	244	Dec. 30	464
Mar. 6	234	5	608	27	235	1973	
7	270	13	132	28	532	Jan. 16	365
8	289	14	408	29	287	17	380
9	370	July 10	216	May 1	395	18	260
10	400	11	35	July 17	1,410	27	420
11	468	1972		20	101	Feb. 23	250
12	260	Feb. 20	618	21	737	June 18	392
13	157	21	608	26	549	July 9	543
28	128	23	173	Dec. 29	248		

Month	Cfs-days	Maximum	Minimum	Mean	Runoff in acre-ft
February 1971	13,225	6,840	12	472	26,230
March	3,728	468	19	120	7,390
June	2,048	608	14	68.3	4,060
July	807	216	12	26.0	1,600
WTR YR 1971	24,399.1	6,840	4.5	66.8	48,390
CAL YR 1971	23,021.0	6,840	4.4	63.1	45,660
February 1972	3,315.8	618	4.6	114	6,580
May	1,159	395	15	37.4	2,300
July	3,498.4	1,410	7.0	113	6,940
WTR YR 1972	11,666.7	1,410	3.7	31.9	23,140
December 1972	1,078.4	464	9.4	34.8	2,140
CAL YR 1972	12,881.6	1,140	3.7	35.2	25,550
January 1973	2,543	420	14	82.0	5,040
February	1,260	250	14	45.0	2,500
June	1,253	392	14	41.8	2,490
July	1,390	543	19	44.8	2,760
WTR YR 1973	14,187.4	543	9.4	38.9	28,140
CAL YR 1973	14,122.0	543	10	38.7	28,010

REVISED PEAK DISCHARGE.--1971: March 11 (2115) 1,290 ft^3/s (8.02 ft); June 5 (0145) 2,210 ft^3/s (11.11 ft); June 14 (0045) 2,450 ft^3/s (11.73 ft); July 10 (1215) 650 ft^3/s (5.35 ft).

1972: Feb. 20 (2400) 2,270 ft^3/s (11.28 ft); Feb. 24 (0130) 560 ft^3/s (4.79 ft); Feb. 28 (0100) 776 ft^3/s (6.03 ft); Feb. 28 (2330) 833 ft^3/s (6.30 ft); May 1 (1030) 1,430 ft^3/s (8.50 ft); July 17 (time unknown) 4,920 ft^3/s (17.5 ft); July 21 (0300) 2,210 ft^3/s (11.1 ft); July 26 (time unknown) 3,280 ft^3/s (13.8 ft).

1973: Dec. 30, about 900 ft^3/s; Jan. 27, about 830 ft^3/s; June 18 (1400) 1,350 ft^3/s (8.24 ft); July 9 (1630) 1,540 ft^3/s (8.89 ft).

06601000 Omaha Creek at Homer, Nebr.-Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	15	6.2	10	6.8	14	38	31	18	17	91	9.8
2	6.3	8.2	6.2	9.8	7.2	12	36	30	19	17	50	9.4
3	6.6	7.4	6.0	9.4	7.2	9.4	34	29	20	16	15	9.4
4	6.6	7.0	7.0	10	6.6	10	40	28	21	16	13	16
5	8.2	7.8	7.4	9.6	6.0	15	53	28	21	16	12	41
6	9.0	7.8	7.6	10	5.8	20	66	28	20	15	11	15
7	7.0	7.4	7.0	11	7.0	18	56	26	18	15	11	9.8
8	6.6	7.8	5.6	11	7.2	17	55	26	19	18	10	9.0
9	6.3	7.8	6.4	9.8	5.4	18	50	25	19	22	10	9.0
10	6.6	8.2	7.4	7.8	8.2	18	39	24	18	21	22	8.6
11	7.0	8.2	8.0	6.2	12	17	33	23	21	19	16	10
12	7.4	7.8	8.4	4.3	12	17	36	23	20	19	13	9.0
13	7.0	7.8	8.0	3.0	12	16	36	22	26	19	12	8.2
14	7.8	8.2	7.8	4.4	13	19	43	20	25	19	11	8.2
15	7.4	7.4	7.4	5.0	14	22	36	20	24	18	11	8.6
16	7.4	9.0	6.6	4.7	14	26	34	19	24	17	15	8.6
17	7.8	8.6	5.6	5.2	15	180	33	19	23	16	14	9.0
18	8.2	8.6	6.4	5.6	14	120	38	18	1380	15	862	9.0
19	7.8	8.6	6.0	4.8	12	80	39	18	110	23	45	8.2
20	7.4	8.2	6.0	4.0	13	68	32	17	1870	21	16	7.8
21	7.0	7.8	6.8	4.2	14	60	41	17	152	16	15	7.4
22	7.0	8.2	7.4	3.8	15	48	33	18	243	16	14	7.4
23	7.4	8.6	6.8	5.0	13	42	31	18	25	22	12	7.4
24	7.8	7.8	6.4	7.6	14	34	31	18	20	48	11	7.0
25	7.8	6.4	6.0	10	16	30	30	19	18	19	11	7.8
26	7.8	8.0	8.0	8.6	18	32	104	18	18	16	9.0	7.8
27	7.8	7.2	8.6	7.8	22	36	128	30	18	16	9.4	8.2
28	9.4	6.8	8.4	7.2	17	38	323	46	18	15	9.0	9.0
29	12	6.6	8.0	6.8	---	36	41	36	17	15	16	10
30	16	6.6	7.4	6.6	---	34	31	20	17	15	14	9.8
31	42	---	8.6	6.6	---	40	---	18	---	14	10	---
TOTAL	276.1	240.8	219.4	219.8	327.4	1146.4	1620	732	4262	571	1390.4	305.4
MEAN	8.91	8.03	7.08	7.09	11.7	37.0	54.0	23.6	142	18.4	44.9	10.2
MAX	42	15	8.6	11	22	180	323	46	1870	48	862	41
MIN	5.7	6.4	5.6	3.0	5.4	9.4	30	17	17	14	9.0	7.0
AC-FT	548	478	435	436	649	2270	3210	1450	8450	1130	2760	606

CAL YR 1974 TOTAL 7432.5 MEAN 20.4 MAX 1120 MIN 5.6 AC-FT 14740
WTR YR 1975 TOTAL 11310.7 MEAN 31.0 MAX 1870 MIN 3.0 AC-FT 22430

PEAK DISCHARGE (BASE, 1,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-28	0100	7.92	1,260	6-20	1215	17.31	4,860
6-18	1400	16.17	4,280	8-18	0745	9.85	1,840

06608000 Tekamah Creek at Tekamah, Nebr.

LOCATION.--Lat 41°46'30", long 96°13'10", in SE1/4 sec.19, T.21 N., R.11 E., Burt County, on left bank 30 ft (9 m) upstream from bridge 1 block east of U.S. Highway 73 in Tekamah.

DRAINAGE AREA.--23.0 mi² (59.6 km²).

PERIOD OF RECORD.--July 1949 to current year.

GAGE.--Water-stage recorder and crest-stage indicator. Datum of gage is 1,032.26 ft (314.633 m) above mean sea level. Prior to Sept 15, 1949, nonrecording gage at site 30 ft (9 m) downstream at present datum.

AVERAGE DISCHARGE.--26 years, 6.63 ft³/s (0.188 m³/s), 4,800 acre-ft/yr (5.92 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 6,110 ft³/s (173 m³/s) Apr. 28, gage height, 16.51 ft (5.032 m), from highwater mark; minimum daily, 1.5 ft³/s (0.042 m³/s) Sept. 24.
Period of record: Maximum discharge, 6,180 ft³/s (175 m³/s) June 5, 1963, gage height, 16.62 ft (5.066 m); no flow at times in some years.

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS.--WSP 1630: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.0	2.2	2.1	2.7	3.5	8.4	21	5.7	5.1	161	2.0
2	2.4	2.6	2.1	2.2	2.8	2.6	7.8	22	5.4	5.1	32	2.0
3	2.7	2.6	2.1	2.3	3.0	2.5	7.0	19	5.9	5.1	5.0	2.0
4	3.0	2.6	2.2	2.0	2.7	2.6	9.0	16	6.4	5.1	3.6	4.1
5	2.8	2.7	2.2	2.2	2.5	4.4	12	13	6.3	4.8	3.3	4.0
6	3.3	2.6	2.2	2.2	2.3	4.9	12	21	6.2	4.6	3.1	2.3
7	2.5	2.6	2.1	2.3	2.1	4.2	9.3	21	4.9	4.4	2.9	2.1
8	2.7	2.7	2.0	2.4	1.9	3.6	9.4	10	5.2	4.3	2.8	2.1
9	2.5	2.8	2.1	2.4	1.7	3.7	9.1	9.9	5.3	4.8	2.7	2.2
10	2.4	2.7	2.4	2.3	1.8	3.9	7.2	8.9	5.2	4.3	3.1	2.1
11	2.6	2.5	2.3	2.1	1.9	2.9	6.3	8.2	6.2	4.2	3.2	3.1
12	2.6	2.5	2.2	1.9	1.8	3.0	6.2	8.3	5.4	4.1	2.8	2.3
13	2.7	2.7	2.2	1.6	1.8	2.8	6.4	7.8	7.0	3.9	2.8	2.0
14	2.8	2.6	2.1	2.2	2.0	2.7	8.8	7.2	6.6	3.8	2.5	2.0
15	2.8	2.5	2.0	2.4	2.2	3.1	6.7	7.3	5.4	3.6	2.7	2.1
16	3.0	2.7	2.0	2.3	2.5	3.7	6.3	6.9	5.3	3.3	2.9	2.2
17	3.0	2.6	1.8	2.5	2.6	6.3	6.0	7.1	4.9	3.2	2.6	2.2
18	3.0	2.6	1.9	3.7	2.5	13	6.6	6.5	184	3.2	20	2.3
19	3.1	2.7	1.9	3.2	2.4	20	7.3	6.0	9.3	3.2	3.5	2.0
20	3.0	2.5	2.0	2.8	2.7	26	5.6	5.9	6.5	3.3	2.8	1.8
21	3.1	2.5	2.1	3.3	3.0	19	11	6.0	58	3.2	2.5	1.8
22	3.3	2.6	2.2	3.7	3.2	15	8.1	6.2	231	3.7	2.3	1.8
23	3.4	2.5	2.2	4.5	3.2	13	102	5.7	11	111	2.0	1.7
24	3.3	2.4	2.1	5.2	3.0	8.2	18	5.6	9.8	14	2.1	1.5
25	3.2	2.2	2.0	5.0	4.0	13	13	7.9	8.3	5.2	1.9	1.6
26	3.0	2.8	2.2	4.5	4.1	15	11	59	8.0	4.5	1.9	1.7
27	3.1	2.4	2.4	3.9	4.2	20	11	6.8	7.3	3.9	2.0	1.7
28	3.4	2.3	2.3	3.5	4.0	39	636	9.2	6.1	3.7	2.3	1.7
29	3.8	2.2	2.3	3.2	---	18	44	8.5	5.4	3.7	6.0	2.0
30	3.1	2.2	2.2	2.9	---	12	24	6.6	5.3	3.4	2.6	1.7
31	3.8	---	2.0	2.5	---	9.3	---	5.8	---	3.3	2.4	---
TOTAL	91.8	76.9	66.0	89.3	74.6	300.9	1035.5	360.3	647.3	243.0	293.3	64.1
MEAN	2.96	2.56	2.13	2.88	2.66	9.71	34.5	11.6	21.6	7.84	9.46	2.14
MAX	3.8	3.0	2.4	5.2	4.2	39	636	59	231	111	161	4.1
MIN	2.4	2.2	1.8	1.6	1.7	2.5	5.6	5.6	4.9	3.2	1.9	1.5
AC-FT	182	153	131	177	148	597	2050	715	1280	482	582	127

CAL YR 1974 TOTAL 2984.8 MEAN 8.18 MAX 837 MIN 1.8 AC-FT 5920
WTR YR 1975 TOTAL 3343.0 MEAN 9.16 MAX 636 MIN 1.5 AC-FT 6630

PEAK DISCHARGE (BASE, 400 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-28	1030	16.51	6,110	7-23	0830	6.00	405
6-18	1115	7.43	742	8- 1	2100	9.22	1,390
6-22	0030	10.26	1,880				

06610000 Missouri River at Omaha, Nebr.

LOCATION.--Lat 41°15'32", long 95°55'20", in SE1/4NW1/4 sec.23, T.15 N., R.13 E., Douglas County, on right bank on left side of concrete floodwall at foot of Douglas Street, 275 ft (84 m) downstream from Interstate 480 Highway bridge in Omaha and at mi 615.9 (991.0 km).

DRAINAGE AREA.--322,800 mi² (836,100 km²), approximately.

PERIOD OF RECORD.--September 1928 to current year. April 1872 to December 1899 (gage heights only) in reports of the Missouri River Commission and since January 1875 (gage heights only) in reports of the U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 958.24 ft (292.072 m) above mean sea level. See WSP 1730 for history of changes prior to Sept. 30, 1936.

AVERAGE DISCHARGE.--47 years, 29,080 ft³/s (823.5 m³/s), 21,070,000 acre-ft/yr (26.0 km³/yr).

EXTREMES.--Current year: Maximum discharge, 70,200 ft³/s (1,990 m³/s) Aug. 18, gage height, 13.66 ft (4.164 m); minimum daily, 8,700 ft³/s (246 m³/s) Jan. 14; minimum gage height observed, 1.30 ft (0.396 m) Jan. 14.

Period of record: Maximum discharge, 396,000 ft³/s (11,200 m³/s) Apr. 18, 1952, gage height, 30.20 ft (9.205 m); minimum, about 2,200 ft³/s (62.3 m³/s) Jan. 6, 1937; minimum gage height observed, -2.77 ft (-0.844 m) Jan. 10, 1957, result of freezeup.

REMARKS.--Records good. Flow partly regulated by upstream main-stem reservoirs. Records of chemical analyses, water temperatures, and suspended-sediment discharges for the water year 1975 are published in Part 2 of WRD Iowa 1975.

REVISIONS.--WSP 761: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35000	35900	20000	18800	17900	18800	32700	44500	40900	51600	64600	64900
2	35900	35200	19700	18300	18000	19200	32200	42900	40800	50600	65700	64800
3	36200	34400	19800	18900	17600	19700	30200	42200	40000	49500	66200	65800
4	36100	33600	19700	19000	18200	19800	31700	41300	39600	49500	65700	65500
5	36200	33600	19800	18900	19300	19500	32400	39500	39400	50600	64700	66100
6	36200	33700	19900	18600	19100	19400	33200	40700	40500	51600	63000	64600
7	36200	34100	20000	18500	16800	19900	34500	40100	42500	53100	63100	64500
8	36600	34300	19300	18100	14200	20000	36600	37500	42900	53600	62600	64200
9	36300	33900	19600	18000	14900	19000	37900	38900	42200	53100	62100	64500
10	36400	34100	18700	19100	17200	18500	38700	38200	41800	52800	63100	64700
11	36900	34000	19300	18800	17700	18400	38000	37800	43500	52900	63600	64800
12	37400	34200	21300	16300	17800	18300	36800	37700	45800	52900	65100	65700
13	36100	34600	21200	9950	18500	18600	36300	37600	46300	53200	66300	66200
14	37900	34700	21400	8700	19200	19000	37500	37700	45900	53100	64700	65000
15	37000	33800	21200	12000	19000	18300	38300	37300	45700	52900	63200	65300
16	36100	33800	20800	17200	18300	17300	38500	37400	46300	52700	63600	65200
17	36000	33700	20200	20400	18600	18900	38200	37900	46900	52300	63700	65000
18	36000	33800	19500	20800	18900	20600	39200	39300	48800	52800	67200	65000
19	36400	34200	18400	20800	19300	23100	39700	39500	53600	54300	67700	65100
20	36700	34100	19400	20900	19300	25300	38500	38700	56100	56000	64800	65700
21	36600	33300	20000	20400	19100	27400	37000	39600	54100	57300	63400	65500
22	36500	33500	19800	19900	19000	27800	35700	39100	53300	58000	63100	64900
23	36600	34200	19000	19000	19200	28800	37700	39700	53200	59100	65300	64400
24	36600	34600	19400	18800	19100	34200	38100	39800	52800	60600	66500	65500
25	36500	34000	19200	18800	18900	35900	38100	40500	50700	61100	66300	65600
26	36400	31300	18200	19400	18900	30800	37800	41500	48200	62400	66500	65100
27	35900	28400	18000	19600	18300	29000	41500	40800	47000	63000	65300	64200
28	35500	26300	19500	19100	18900	30500	57500	41000	46300	62900	65900	63900
29	34800	23600	20200	18700	---	32000	54100	41500	[illegible]	63100	66500	64300
30	35200	21700	19400	18300	---	31800	48800	42500	[illegible]	63500	66000	64700
31	36100	---	19000	19100	---	32300	---	41400	---	63900	65100	---
TOTAL	1126200	984300	611900	562750	511600	732100	1147400	1233100	1393600	1724000	2009700	1950700
MEAN	36330	32810	19740	18150	18270	23620	38250	39780	46450	55610	64830	65020
MAX	38100	35900	21400	20900	19300	35900	57500	44500	56100	63900	67700	66200
MIN	34800	21700	18000	8700	14200	17300	30200	37300	39400	49500	62100	63900
AC-FT	2234000	1952000	1214000	1116000	1015000	1452000	2276000	2446000	2764000	3420000	3986000	3869000

CAL YR 1974 TOTAL 11195200 MEAN 30670 MAX 47900 MIN 11300 AC-FT 22210000
WTR YR 1975 TOTAL 13987350 MEAN 38320 MAX 67700 MIN 8700 AC-FT 27740000

06674500 North Platte River at Wyoming-Nebraska State line

LOCATION.--Lat 41°59'25", long 104°02'57", in SW1/4NE1/4SE1/4 sec.4, T.23 N., R.58 W., Scotts Bluff County, Nebr., on right bank 650 ft (198 m) upstream from bridge on Nebraska State Highway 86, 700 ft (213 m) downstream from Wyoming-Nebraska State line, and 0.5 mi (0.8 km) south of Henry, Nebr.

DRAINAGE AREA.--26,177 mi² (67,798 km²), of which 5,888 mi² (15,250 km²), including 3,959 mi² (10,254 km²) in Great Divide Basin in southern Wyoming, is probably noncontributing.

PERIOD OF RECORD.--April 1929 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,020 ft (1,225 m), from topographic map. Prior to Nov. 6, 1929, nonrecording gage and Nov. 6, 1929, to Feb. 22, 1972, water-stage recorder, at sites 0.5 mi (0.8 km) upstream at different datums.

EXTREMES.--Current year: Maximum discharge, 2,570 ft³/s (72.8 m³/s) July 6, gage height, 4.01 ft (1.222 m); minimum daily, 200 ft³/s (5.66 m³/s) Feb. 9.

Period of record: Maximum discharge observed, 17,900 ft³/s (507 m³/s) June 2, 1929, gage height, 7.04 ft (2.146 m), site and datum then in use; minimum daily, 13 ft³/s (0.37 m³/s) May 12, 1961.

REMARKS.--Records good. Natural flow of stream affected by storage reservoirs, transbasin diversions, power development, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Gering-Mitchell Canal diverts from right bank 0.8 mi (1.3 km) upstream. Water quality records for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 1918: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647	432	352	320	292	312	273	446	653	1990	1320	1000
2	611	432	352	324	284	312	262	441	647	2060	1320	996
3	572	428	348	315	298	312	262	432	647	2220	1320	1000
4	556	423	364	310	288	316	276	423	641	2340	1340	1040
5	550	418	374	320	280	312	292	414	617	2440	1320	1040
6	545	414	378	316	260	312	300	400	578	2360	1320	1020
7	530	414	374	320	230	308	316	392	566	2420	1320	964
8	561	414	364	324	205	312	332	304	583	2320	1290	933
9	744	418	360	324	200	312	356	280	566	2210	1240	905
10	1010	414	356	315	230	312	378	352	572	2300	1250	849
11	814	414	356	280	300	312	374	378	561	2310	1290	814
12	647	405	348	220	300	304	336	418	545	2150	1260	814
13	578	410	356	290	312	304	324	441	540	1920	1260	779
14	530	405	352	332	320	304	312	441	572	1890	1320	691
15	500	405	352	328	316	304	304	432	556	1770	1400	634
16	490	405	348	324	304	304	296	414	540	1570	1320	605
17	475	405	356	300	304	304	299	410	535	1400	1260	566
18	470	405	360	300	300	304	312	446	578	1290	1220	535
19	465	400	352	300	300	304	460	436	717	1190	1190	520
20	455	396	348	300	300	304	550	460	641	1170	1160	510
21	455	396	344	304	300	300	566	495	996	1220	1150	510
22	455	396	336	296	296	300	566	588	1310	1240	1150	505
23	450	387	325	292	288	296	842	605	1210	1270	1130	505
24	446	382	320	296	284	292	964	578	1060	1280	1120	500
25	441	378	310	296	296	288	905	550	884	1300	1110	495
26	441	374	320	300	300	292	653	578	1250	1300	1100	530
27	441	369	324	296	304	210	520	617	1520	1300	1080	520
28	436	364	332	288	308	220	485	623	1680	1310	1080	525
29	441	360	336	285	---	240	465	691	1800	1320	1030	520
30	446	364	320	275	---	260	450	659	1850	1320	1010	605
31	446	---	328	270	---	270	---	634	---	1320	1010	---
TOTAL	16648	12027	10753	9360	7989	9136	13019	14778	25415	53380	37690	21430
MEAN	537	401	347	302	285	295	434	477	847	1722	1216	714
MAX	1010	432	378	332	320	316	964	691	1850	2440	1400	1040
MIN	436	360	310	220	200	210	262	280	535	1170	1010	495
AC-FT	33020	23860	21330	18570	15850	18120	25820	29310	50410	105900	74760	42510

CAL YR 1974 TOTAL 547266 MEAN 1499 MAX 4880 MIN 276 AC-FT 1086000
WTR YR 1975 TOTAL 231625 MEAN 635 MAX 2440 MIN 200 AC-FT 459400

06677500 Horse Creek near Lyman, Nebr.

LOCATION.--Lat 41°56'21", long 103°59'13", in SE1/4NE1/4 sec.25, T.23 N., R.58 W., Scotts Bluff County, on right bank 10 ft (3 m) upstream from county highway bridge, 1.8 mi (2.9 km) upstream from mouth, 2.2 mi (3.5 km) downstream from Owl Creek, and 3.2 mi (5.1 km) northeast of Lyman.

DRAINAGE AREA.--1,570 mi² (4,070 km²), approximately, of which about 40 mi² (100 km²) is noncontributing.

PERIOD OF RECORD.--February 1931 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,010 ft (1,222 m), from topographic map. See WSP 2118 for history of changes prior to Apr. 17, 1967.

AVERAGE DISCHARGE.--44 years, 66.1 ft³/s (1.872 m³/s), 47,890 acre-ft/yr (59.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 382 ft³/s (10.8 m³/s) June 20, gage height, 4.33 ft (1.320 m); minimum daily, 5.0 ft³/s (0.14 m³/s) Mar. 28,29.
Period of record: Maximum discharge, 5,110 ft³/s (145 m³/s) June 6, 1967, gage height, 10.82 ft (3.298 m), from rating curve extended above 1,900 ft³/s (53.8 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 0.4 ft³/s (0.011 m³/s) Feb. 1, 2, 1949.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 926: 1940(M). WDR Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	57	40	29	27	26	18	24	293	136	73	103
2	173	58	40	28	26	24	18	23	294	109	69	109
3	144	58	39	27	24	23	17	22	274	102	66	115
4	121	54	37	27	24	23	17	22	283	99	67	113
5	109	53	38	27	20	23	75	21	281	101	67	127
6	102	51	40	26	20	24	56	23	277	86	62	135
7	95	50	38	26	18	23	50	24	290	93	63	142
8	89	50	36	26	20	23	48	71	310	76	60	144
9	85	48	35	26	22	24	59	123	318	74	57	147
10	82	48	38	25	24	23	55	229	339	77	57	159
11	80	46	38	23	22	24	49	253	341	73	54	181
12	78	47	35	23	23	22	41	240	346	71	52	193
13	76	46	38	23	25	24	41	269	348	63	59	207
14	71	45	35	22	26	23	38	310	343	57	64	227
15	71	46	39	21	21	23	37	239	334	55	73	218
16	70	45	38	20	24	22	36	215	309	54	73	205
17	69	44	36	24	20	22	33	219	300	54	67	193
18	68	43	35	26	20	21	31	251	303	56	68	190
19	68	43	34	27	18	21	31	212	351	58	69	193
20	67	41	35	26	18	21	30	171	373	59	72	205
21	65	42	35	27	10	22	29	187	351	64	79	220
22	64	42	33	27	28	22	29	258	339	80	92	231
23	63	41	26	26	29	21	28	307	320	103	96	216
24	64	40	26	26	28	20	27	261	323	91	91	221
25	64	41	26	26	26	21	26	240	311	91	89	245
26	62	40	26	25	24	21	26	240	298	87	92	250
27	61	40	28	24	24	10	25	240	271	84	95	194
28	60	40	32	21	24	5.0	30	243	214	78	91	166
29	59	40	30	22	---	5.0	26	305	179	80	91	166
30	59	40	30	24	---	25	25	303	161	76	96	210
31	60	---	30	26	---	20	---	294	---	73	100	---
TOTAL	2597	1379	1066	776	635	651.0	1051	5839	9074	2460	2304	5425
MEAN	83.8	46.0	34.4	25.0	22.7	21.0	35.0	188	302	79.4	74.3	181
MAX	198	58	40	29	29	26	75	310	373	136	100	250
MIN	59	40	26	20	10	5.0	17	21	161	54	52	103
AC-FT	5150	2740	2110	1540	1260	1290	2080	11580	18000	4880	4570	10760

CAL YR 1974 TOTAL 47152.0 MEAN 129 MAX 517 MIN 15 AC-FT 93530
WTR YR 1975 TOTAL 33257.0 MEAN 91.1 MAX 373 MIN 5.0 AC-FT 65970

06678000 Sheep Creek near Morrill, Nebr.

LOCATION.--Lat 41°57'50", long 103°56'20", in NW1/4SW1/4 sec.16, T.23 N., R.57 W., Scotts Bluff County, on right bank 40 ft (12 m) upstream from Burlington Northern Inc. bridge, 50 ft (15 m) downstream from bridge on U.S. Highway 26, 1 mi (2 km) west of Morrill, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--362 mi^2 (938 km^2), of which about 25 mi^2 (65 km^2) is noncontributing.

PERIOD OF RECORD.--October 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,995.04 ft (1,217.688 m) above mean sea level. Prior to Apr. 14, 1960, nonrecording gage at site 20 ft (6 m) upstream at same datum.

AVERAGE DISCHARGE.--44 years, 54.8 ft^3/s (1.552 m^3/s), 39,700 acre-ft/yr (49.0 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 191 ft^3/s (5.41 m^3/s) May 18, gage height, 3.28 ft (1.000 m); maximum gage height, 4.87 ft (1.484 m) Mar. 28, backwater from ice; minimum daily discharge, 1.2 ft^3/s (0.034 m^3/s) May 17.

Period of record: Maximum discharge, 413 ft^3/s (11.7 m^3/s) June 27, 1955, gage height, 6.52 ft (1.987 m), from floodmark; maximum gage height, 6.75 ft (2.057 m) Aug. 2, 1932, from floodmark, due to break in Interstate Canal (discharge not determined); minimum daily discharge, 0.1 ft^3/s (0.003 m^3/s) Dec. 16, 23, 1956, Jan. 18, Mar. 12, 1957, result of diversion for construction upstream.

REMARKS.--Records good above 10 ft^3/s (0.28 m^3/s) and fair below. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WRD Nebr. 1967: Drainage area. WSP 2118: 1936(M), 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	130	109	97	91	88	100	83	2.6	3.5	4.9	4.2
2	121	133	109	97	89	88	85	83	2.6	3.7	4.7	4.2
3	121	133	111	94	89	88	80	81	2.6	4.0	4.7	4.4
4	118	126	110	93	88	88	81	81	2.6	4.0	4.7	4.4
5	123	123	111	93	88	88	81	82	2.6	4.2	4.7	4.4
6	123	121	112	93	88	88	81	82	3.7	4.2	4.7	4.2
7	125	120	112	94	88	88	86	82	3.7	4.4	4.9	4.2
8	128	118	110	94	90	88	90	35	3.7	4.4	4.9	4.2
9	129	118	109	94	90	88	88	1.4	3.7	4.7	4.7	5.2
10	129	116	107	93	90	88	90	1.6	3.7	4.7	4.7	5.7
11	130	113	105	91	90	88	86	1.6	3.7	4.7	4.9	6.0
12	131	114	104	91	90	88	86	1.9	3.7	4.7	4.9	6.9
13	131	114	104	90	90	88	84	1.9	4.0	4.7	5.2	6.6
14	135	115	104	91	91	88	84	1.7	4.0	4.7	6.0	6.6
15	135	115	105	90	91	88	83	1.7	4.2	4.7	9.0	5.7
16	135	115	103	90	90	88	83	1.4	13	4.7	4.7	5.7
17	135	115	104	90	90	88	83	1.2	4.0	4.7	4.7	6.0
18	134	114	104	92	90	88	82	11	4.4	4.7	4.7	7.2
19	134	113	103	91	90	88	83	2.1	4.0	4.7	4.7	8.8
20	134	111	102	92	90	88	83	2.1	3.7	4.7	4.7	9.8
21	133	111	102	90	90	88	83	2.1	4.0	5.2	4.7	11
22	132	111	102	91	89	88	85	2.3	3.5	5.2	4.7	94
23	132	109	101	90	90	88	84	2.3	3.7	5.2	4.9	132
24	132	108	100	89	90	88	83	2.3	4.0	5.2	4.9	134
25	132	107	100	88	88	88	84	2.3	4.2	5.2	4.9	137
26	132	106	100	90	88	88	84	2.3	3.7	4.9	4.7	136
27	132	108	102	88	88	40	84	2.3	3.7	4.9	4.9	135
28	130	111	100	90	88	50	85	2.5	3.7	4.9	4.9	135
29	130	109	100	90	---	70	82	2.5	3.7	4.7	4.7	135
30	132	109	97	90	---	100	82	2.5	3.2	4.7	4.7	135
31	134	---	97	90	---	125	---	2.6	---	4.9	4.7	---
TOTAL	4020	3466	3238	2836	2504	2673	2535	664.6	117.6	143.8	153.8	1298.4
MEAN	130	116	104	91.5	89.4	86.2	84.5	21.4	3.92	4.64	4.96	43.3
MAX	135	133	112	97	91	125	100	83	13	5.2	9.0	137
MIN	118	106	97	88	88	40	80	1.2	2.6	3.5	4.7	4.2
AC-FT	7970	6870	6420	5630	4970	5300	5030	1320	233	285	305	2580

CAL YR 1974 TOTAL 25537.0 MEAN 70.0 MAX 135 MIN 3.7 AC-FT 50650
WTR YR 1975 TOTAL 23650.2 MEAN 64.8 MAX 137 MIN 1.2 AC-FT 46910

06679000 Dry Spottedtail Creek at Mitchell, Nebr.

LOCATION.--Lat 41°56'45", long 103°49'35", at southeast corner of sec.20, T.23 N., R.56 W., Scotts Bluff County, on right bank 5 ft (2 m) upstream from bridge on county road, 0.5 mi (0.8 km) west of Mitchell, and 0.8 mi (1.3 km) upstream from mouth.

DRAINAGE AREA.--77.2 mi^2 (199.9 km^2).

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,943.75 ft (1,202.055 m) above mean sea level. Prior to Oct. 1, 1958, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--27 years, 34.0 ft^3/s (0.963 m^3/s), 24,630 acre-ft/yr (30.4 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 128 ft^3/s (3.62 m^3/s) Sept. 26, gage height, 2.29 ft (0.698 m); maximum gage height, 3.42 ft (1.042 m) Mar. 29, backwater from snow in channel; minimum daily discharge, 15 ft^3/s (0.42 m^3/s) Jan. 12, Mar. 27.

Period of record: Maximum discharge, 2,010 ft^3/s (56.9 m^3/s) June 24, 1951, gage height, 8.55 ft (2.606 m), present datum; minimum daily, 1.6 ft^3/s (0.045 m^3/s) June 28, 1966.

REMARKS.--Records good. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	36	26	20	24	22	24	26	36	39	65	55
2	63	33	26	20	24	23	22	26	37	40	67	56
3	53	32	26	20	24	24	20	25	36	40	64	52
4	53	32	26	20	24	22	21	25	36	41	61	55
5	47	30	27	19	23	22	21	35	34	62	58	60
6	44	29	25	20	23	23	19	22	34	98	53	55
7	43	32	26	20	24	22	25	23	37	78	56	54
8	41	32	26	20	24	23	29	24	38	60	58	59
9	41	32	25	20	24	22	22	45	37	44	59	62
10	40	32	27	19	24	21	22	76	39	45	60	60
11	40	32	25	17	24	21	22	43	37	42	60	65
12	40	32	24	15	24	21	21	48	33	42	59	65
13	39	32	25	18	24	21	21	58	32	45	69	62
14	37	34	25	18	24	21	21	53	31	43	70	65
15	36	32	24	18	24	22	22	55	30	46	70	65
16	36	32	25	18	24	22	21	47	29	50	78	59
17	36	32	24	18	23	21	21	31	29	49	89	56
18	36	31	24	19	24	21	21	33	33	44	80	59
19	36	30	23	17	24	20	21	33	88	48	65	54
20	35	30	25	17	24	20	21	35	58	49	66	54
21	35	31	24	17	24	21	21	34	64	54	67	57
22	35	31	24	17	24	20	21	43	70	65	70	71
23	35	30	23	19	24	21	21	42	58	68	68	81
24	35	29	23	21	24	20	21	33	59	67	66	92
25	35	29	22	25	24	21	21	32	53	70	66	106
26	36	28	21	27	24	21	23	36	53	63	64	115
27	37	29	21	26	23	15	24	34	50	58	59	119
28	38	28	21	26	23	20	26	30	48	56	58	91
29	38	27	21	26	---	30	25	32	46	58	55	97
30	37	27	21	25	---	28	26	35	42	65	64	86
31	36	---	21	25	---	26	---	37	---	65	58	---
TOTAL	1260	926	746	627	667	677	666	1151	1307	1694	2002	2087
MEAN	40.6	30.9	24.1	20.2	23.8	21.8	22.2	37.1	43.6	54.6	64.6	69.6
MAX	67	36	27	27	24	30	29	76	88	98	89	119
MIN	35	27	21	15	23	15	19	22	29	39	53	52
AC-FT	2500	1840	1480	1240	1320	1340	1320	2280	2590	3360	3970	4140

CAL YR 1974 TOTAL 16439 MEAN 45.0 MAX 125 MIN 17 AC-FT 32610
WTR YR 1975 TOTAL 13810 MEAN 37.8 MAX 119 MIN 15 AC-FT 27390

06679500 North Platte River at Mitchell, Nebr.

LOCATION.--Lat 41°55'38", long 103°48'48", in NE1/4NE1/4 sec.33, T.23 N., R.56 W., Scotts Bluff County, near right bank of main channel on downstream side of pier of bridge on State Highway 29, 0.5 mi (0.8 km) south of Mitchell.

DRAINAGE AREA.--28,300 mi^2 (73,300 km^2), approximately, of which about 5,960 mi^2 (15,400 km^2) is noncontributing.

PERIOD OF RECORD.--June 1901 to September 1910, May to December 1911, February 1912 to July 1913 (gage heights only), May 1916 to October 1918 (irrigation seasons only), May 1920 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 3,929.3 ft (1,197.65 m) above mean sea level. See WSP 1918 for history of changes prior to May 27, 1960. May 27, 1960, to Aug. 24, 1971, at datum 1.00 ft (0.305 m) higher.

EXTREMES.--Current year: Maximum discharge, 1,410 ft^3/s (39.9 m^3/s) Oct 11, gage height, 4.09 ft (1.247 m); maximum gage height, 4.19 ft (1.277 m) July 5; minimum daily discharge, 229 ft^3/s (6.49 m^3/s) Aug. 11.
Period of record: Maximum discharge, 27,500 ft^3/s (779 m^3/s) June 3, 1909, gage height, 6.45 ft (1.966 m), datum then in use, from graph based on gage readings, from rating curve extended above 17,000 ft^3/s (481 m^3/s); minimum daily observed, 25 ft^3/s (0.71 m^3/s) Sept. 25-29, 1908.

REMARKS.--Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1150	791	670	571	515	524	523	648	585	1130	277	260
2	1110	788	667	575	519	519	507	634	585	1010	288	274
3	1060	785	666	557	524	519	515	621	571	1040	295	276
4	1020	755	670	548	524	528	535	616	566	1060	280	294
5	998	737	671	562	503	524	584	612	532	1150	273	337
6	986	727	680	557	451	524	584	607	507	1190	253	374
7	968	723	678	557	503	519	584	598	511	1160	249	365
8	970	722	671	557	515	515	630	536	524	1120	246	345
9	1040	720	670	557	439	515	634	425	515	962	236	361
10	1290	718	667	544	491	511	664	507	515	1060	232	364
11	1330	713	659	471	532	511	652	548	503	1080	229	382
12	1160	708	656	443	524	504	625	548	513	1050	232	440
13	1090	704	652	459	532	500	611	540	511	972	246	458
14	1030	698	655	524	548	499	598	562	510	810	271	483
15	986	703	652	540	540	499	587	507	507	744	329	475
16	958	704	644	540	532	499	577	503	511	587	361	456
17	933	704	650	540	532	498	567	450	517	491	330	419
18	912	707	652	532	528	495	555	400	521	361	302	411
19	892	708	648	540	524	493	622	395	658	288	278	407
20	870	702	639	544	532	498	720	340	672	254	269	403
21	855	699	639	544	524	490	765	344	780	246	271	403
22	837	696	634	536	511	488	760	423	1060	285	285	455
23	821	690	612	540	515	485	938	483	1110	374	295	511
24	813	689	612	544	519	474	1080	479	1050	354	284	544
25	819	690	598	544	519	471	1150	427	890	343	283	648
26	833	685	599	544	519	471	967	419	971	319	282	731
27	835	682	598	540	524	447	828	443	1170	296	277	854
28	827	682	598	532	519	372	770	455	1260	282	267	956
29	818	677	594	507	---	403	717	540	1280	285	264	985
30	812	671	585	511	---	523	674	580	1250	294	262	1070
31	821	---	580	507	---	558	---	575	---	280	256	---
TOTAL	29844	21374	19865	16567	14458	15366	20523	15762	21655	20767	8502	14741
MEAN	963	712	641	534	516	496	684	508	722	670	274	491
MAX	1330	791	680	575	548	558	1150	648	1280	1190	361	1070
MIN	812	671	580	443	439	372	507	340	503	246	229	260
AC-FT	59200	42400	39400	32860	28680	30480	40710	31260	42950	41190	16860	29240

CAL YR 1974 TOTAL 516753 MEAN 1416 MAX 5010 MIN 266 AC-FT 1025000
WTR YR 1975 TOTAL 219424 MEAN 601 MAX 1330 MIN 229 AC-FT 435200

06680000 Tub Springs near Scottsbluff, Nebr.

LOCATION.--Lat 41°54'55", long 103°42'55", in SW1/4SW1/4 sec.33, T.23 N., R.55 W., Scotts Bluff County, 50 ft (15 m) upstream from bridge, 0.2 mi (0.3 km) downstream from headgates of Enterprise Canal, 1.5 mi (2.4 km) upstream from mouth, and 3.5 mi (5.6 km) northwest of Scottsbluff.

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,926.54 ft (1,196.809 m) above mean sea level. See WSP 1914 for history of changes prior to Sept. 9, 1952.

AVERAGE DISCHARGE.--27 years, 37.0 ft³/s (1.048 m³/s), 26,810 acre-ft/yr (33.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 127 ft³/s (3.60 m³/s) June 13, gage height, 1.79 ft (0.546 m); minimum daily, 17 ft³/s (0.48 m³/s) Mar. 27.

Period of record: Maximum discharge, 1,610 ft³/s (45.6 m³/s) June 21, 1952, gage height not determined, on basis of slope-area measurement of peak flow caused by break in Interstate Canal; minimum daily, 0.70 ft³/s (0.020 m³/s) May 7, 1965.

REMARKS.--Records good. Natural flow of stream affected by diversions for irrigation, spill from Enterprise Canal, and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1310: 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	58	49	42	34	31	35	31	75	40	41	38
2	67	60	49	41	34	31	34	31	75	29	39	42
3	69	60	49	41	34	30	36	31	74	30	38	44
4	66	59	49	40	34	30	37	32	73	29	39	48
5	69	57	49	41	34	29	36	32	72	36	38	47
6	68	56	49	41	34	30	35	34	63	41	37	49
7	67	56	47	41	34	29	36	34	60	42	38	50
8	67	55	47	40	34	29	36	32	61	41	36	60
9	66	55	47	40	34	30	36	33	59	36	35	43
10	65	55	46	39	35	29	35	32	57	36	36	44
11	64	54	45	37	35	30	34	33	60	35	36	46
12	64	55	45	37	35	30	32	40	59	34	37	47
13	63	51	45	39	34	30	31	36	57	34	41	47
14	61	52	45	39	35	30	31	34	55	36	41	46
15	61	53	45	39	35	30	30	35	55	36	45	44
16	61	52	45	39	35	30	29	50	56	38	44	44
17	61	52	46	39	35	30	29	84	58	40	47	46
18	61	52	45	39	35	30	29	81	66	38	45	46
19	61	52	45	39	35	30	29	76	71	37	41	45
20	60	51	44	38	35	31	29	75	60	36	40	45
21	59	52	45	37	34	31	29	78	60	38	42	46
22	59	51	45	37	33	30	29	86	63	38	42	48
23	59	50	43	37	33	28	29	87	60	40	42	46
24	59	50	43	37	33	27	30	68	56	43	37	75
25	59	51	43	36	32	30	30	62	57	40	39	94
26	59	49	43	36	32	29	29	64	57	40	42	91
27	59	50	43	36	31	17	31	68	56	44	43	97
28	58	49	43	36	31	18	33	85	58	43	37	99
29	59	49	42	36	---	22	31	81	58	43	38	102
30	59	48	42	36	---	29	31	78	58	43	39	85
31	59	---	42	35	---	36	---	76	---	42	39	---
TOTAL	1939	1594	1404	1190	949	896	961	1699	1849	1179	1235	1704
MEAN	62.5	53.1	45.3	38.4	33.9	28.9	32.0	54.8	61.6	38.0	39.8	56.8
MAX	70	60	49	42	35	36	37	87	75	44	47	102
MIN	58	48	42	35	31	17	29	31	55	29	35	38
AC-FT	3850	3160	2780	2360	1880	1780	1910	3370	3670	2340	2450	3380

CAL YR 1974 TOTAL 14781 MEAN 40.5 MAX 88 MIN 15 AC-FT 29320
WTR YR 1975 TOTAL 16598 MEAN 45.5 MAX 102 MIN 17 AC-FT 32920

06681000 Winters Creek near Scottsbluff, Nebr.

LOCATION.--Lat 41°51'08", long 103°37'35", in NW1/4SE1/4 sec.30, T.22 N., R.54 W., Scotts Bluff County, on right bank 700 ft (213 m) downstream from bridge on U.S. Highway 26, 1 mi (2 km) upstream from mouth, and 1.5 mi (2.4 km) east of Scottsbluff.

PERIOD OF RECORD.--October 1931 to current year. Prior to October 1971, published as Winter Creek near Scottsbluff.

GAGE.--Water-stage recorder. Datum of gage is 3,860.8 ft (1,176.77 m) above mean sea level. Prior to Nov. 19, 1938, nonrecording gage at site 700 ft (210 m) upstream at different datum. Nov. 19, 1938, to Sept. 30, 1958, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--44 years, 53.1 ft³/s (1.504 m³/s), 38,470 acre-ft/yr (47.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 235 ft³/s (6.66 m³/s) July 5, gage height, 3.85 ft (1.173 m); maximum gage height, 4.26 ft (1.298 m) Mar. 28 (backwater from snow in channel); minimum daily discharge, 8.3 ft³/s (0.24 m³/s) July 16.

Period of record: Maximum discharge, 1,090 ft³/s (30.9 m³/s) June 10, 1957, gage height, 8.95 ft (2.728 m), present datum; maximum gage height, 9.34 ft (2.847 m), present datum, Jan. 7, 1949, backwater from snowdrifts; minimum daily discharge, 0.9 ft³/s (0.025 m³/s) July 5, 1961.

REMARKS.--Records good. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	61	54	47	48	46	55	45	35	31	37	62
2	89	64	54	46	49	46	54	45	38	29	45	61
3	86	63	53	45	52	46	52	45	39	31	44	63
4	83	62	52	45	52	46	52	45	41	12	45	66
5	83	62	52	44	52	46	53	45	40	60	37	70
6	81	60	53	45	51	46	51	47	40	60	34	76
7	80	59	51	45	52	45	53	47	40	36	34	79
8	75	58	51	46	52	46	54	46	40	40	36	79
9	72	58	50	45	52	47	50	46	40	34	36	81
10	72	58	50	45	51	46	50	74	62	35	33	79
11	69	58	50	44	51	46	50	45	65	23	32	80
12	70	58	50	42	51	47	51	48	61	20	33	84
13	70	58	49	43	50	46	48	46	58	15	41	82
14	68	58	49	41	50	46	48	45	57	12	49	81
15	68	58	48	42	51	47	49	45	60	9.6	57	78
16	67	58	48	41	50	47	48	39	61	8.3	62	73
17	67	57	48	40	49	47	46	44	65	16	64	67
18	67	56	48	40	49	47	46	44	73	13	65	72
19	68	56	48	40	48	47	45	29	70	12	61	66
20	66	56	47	40	46	46	45	23	62	14	60	59
21	66	56	47	40	46	47	45	25	60	16	56	68
22	65	55	48	39	46	46	45	31	59	10	55	77
23	64	54	47	40	47	45	45	21	59	16	62	50
24	64	54	47	39	46	46	45	21	57	26	66	52
25	63	55	46	40	46	46	45	19	59	32	67	54
26	63	56	46	40	45	46	44	20	49	31	59	59
27	62	55	47	41	45	30	45	22	44	32	50	70
28	63	56	46	41	46	30	48	26	44	31	46	84
29	62	55	46	45	---	30	46	31	36	29	47	112
30	63	55	46	46	---	35	45	34	35	44	55	97
31	63	---	46	46	---	60	---	32	---	36	62	---
TOTAL	2201	1729	1517	1323	1373	1387	1453	1175	1549	813.9	1530	2181
MEAN	71.0	57.6	48.9	42.7	49.0	44.7	48.4	37.9	51.6	26.3	49.4	72.7
MAX	102	64	54	47	52	60	55	74	73	60	67	112
MIN	62	54	46	39	45	30	44	19	35	8.3	32	50
AC-FT	4370	3430	3010	2620	2720	2750	2880	2330	3070	1610	3030	4330

CAL YR 1974 TOTAL 19582.0 MEAN 53.6 MAX 197 MIN 11 AC-FT 38840
WTR YR 1975 TOTAL 18231.9 MEAN 50.0 MAX 112 MIN 8.3 AC-FT 36160

06681500 Gering drain near Gering, Nebr.

LOCATION.--Lat 41°49'20", long 103°37'02", in SE1/4NE1/4 sec.6, T.21 N., R.54 W., Scotts Bluff County, near left bank on downstream side of bridge piling on county road, 0.2 mi (0.3 km) downstream from bridge on State Highway 92, 1 mi (2 km) upstream from mouth, and 2 mi (3 km) east of Gering.

PERIOD OF RECORD.--February 1931 to September 1945, October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,854.62 ft (1,174.888 m) above mean sea level (levels by Corps of Engineers). See WSP 1918 for history of changes prior to June 27, 1958. June 27, 1958, to Oct. 27, 1970, at datum 2.0 ft (0.61 m) higher.

AVERAGE DISCHARGE.--41 years, 44.5 ft^3/s (1.260 m^3/s), 32,240 acre-ft/yr (39.8 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 548 ft^3/s (15.5 m^3/s) July 16, gage height, 2.79 ft (0.850 m); minimum daily, 10 ft^3/s (0.28 m^3/s) Mar. 29.

Period of record: Maximum discharge, 9,560 ft^3/s (271 m^3/s) June 8, 1958, gage height, 14.0 ft (4.27 m), present datum, from floodmarks, from rating curve extended above 2,200 ft^3/s (62.3 m^3/s) on basis of slope-area measurements at gage heights 12.67 ft (3.862 m) and 14.0 ft (4.27 m) present datum; minimum daily, 5 ft^3/s (0.14 m^3/s) Aug. 13, 16, 19, 1940.

REMARKS.--Records good. Base flow is mainly return water from land irrigated by Fort Laramie Canal.

REVISIONS (WATER YEARS).--WSP 896: 1935(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	43	36	33	30	29	50	29	192	94	101	92
2	45	45	36	33	30	29	60	29	180	71	95	98
3	44	46	37	32	30	29	40	29	174	64	91	102
4	43	44	37	32	30	29	33	28	180	78	90	118
5	45	43	37	32	30	29	34	28	192	87	90	119
6	44	43	37	32	30	30	34	29	177	102	90	118
7	43	42	36	32	30	29	42	28	175	97	90	126
8	43	42	35	32	30	29	35	28	187	84	89	134
9	42	42	35	32	30	29	33	28	185	89	88	146
10	43	42	35	31	30	28	32	130	185	83	87	148
11	43	42	35	30	29	29	32	154	187	83	84	151
12	42	42	35	30	29	28	31	164	179	84	80	163
13	42	40	34	32	30	28	31	207	169	84	90	168
14	39	40	35	30	30	28	30	181	169	82	92	164
15	40	40	34	30	30	28	30	169	169	83	90	162
16	40	40	34	30	30	28	30	179	166	139	91	148
17	40	40	35	30	30	28	32	179	175	157	92	153
18	40	40	34	30	30	27	33	169	187	109	91	156
19	40	39	34	30	30	28	30	172	195	106	88	156
20	40	39	34	30	29	28	30	180	172	102	88	168
21	40	39	34	30	28	28	30	164	166	106	84	162
22	40	39	34	30	28	29	30	160	168	101	83	162
23	40	39	34	30	29	27	30	151	169	106	82	163
24	40	39	34	31	29	27	26	128	168	116	84	157
25	40	39	34	30	29	26	26	126	154	109	90	162
26	43	36	34	30	28	27	28	161	148	104	94	168
27	43	37	34	30	29	20	28	182	131	102	94	168
28	43	37	34	30	28	13	32	194	135	94	90	171
29	43	36	34	30	---	10	28	211	140	96	89	166
30	45	36	34	30	---	30	28	188	123	114	87	151
31	45	---	33	30	---	40	---	190	---	98	90	---
TOTAL	1309	1211	1078	954	825	847	988	3995	5097	3024	2764	4420
MEAN	42.2	40.4	34.8	30.8	29.5	27.3	32.9	129	170	97.5	89.2	147
MAX	49	46	37	33	30	40	60	211	195	157	101	171
MIN	39	36	33	30	28	10	26	28	123	64	80	92
AC-FT	2600	2400	2140	1890	1640	1680	1960	7920	10110	6000	5480	8770

CAL YR 1974 TOTAL 26066 MEAN 71.4 MAX 304 MIN 22 AC-FT 51700
WTR YR 1975 TOTAL 26512 MEAN 72.6 MAX 211 MIN 10 AC-FT 52590

06682000 North Platte River near Minatare, Nebr.

LOCATION.--Main channel gage: Lat 41°47'26", long 103°31'11", in NE1/4SE1/4 sec.13, T.21 N., R.54 W., Scotts Bluff County, on left bank 220 ft (67 m) upstream from bridge on State Highway 326 and 1.8 mi (2.9 km) southwest of Minatare. Nine Mile channel gage: Lat 41°47'32", long 103°31'08", in NE1/4SE1/4 sec.13, T.21 N., R.54 W., Scotts Bluff County, on left bank 50 ft (15 m) upstream from bridge on State Highway 326 and 750 ft (229 m) north of main channel bridge.

DRAINAGE AREA.--28,700 mi² (74,300 km²), approximately, of which about 22,740 mi² (58,900 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--May to August 1916, May 1917 to September 1918, May to October 1919, April to September 1922, June 1923 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Main channel: Water-stage recorder. Datum of gage is 3,811.7 ft (1,161.81 m) above mean sea level. See WRD Nebr. 1972 for history of changes prior to Nov. 2, 1966.

Nine Mile channel: Water-stage recorder. Datum of gage is 3,812.3 ft (1,161.99 m) above mean sea level. See WRD Nebr. 1972 for history of changes prior to Aug. 25, 1971.

EXTREMES.--Current year: Maximum discharge, 1,890 ft³/s (53.5 m³/s) July 5; minimum daily, 340 ft³/s (9.63 m³/s) Aug. 12.

Period of record: Maximum discharge, 19,500 ft³/s (552 m³/s) July 2, 1917, from graph based on mean daily discharge and discharge measurement published by State engineer of Nebraska; minimum daily, 11 ft³/s (0.31 m³/s) Aug. 16-18, 1940.

Flood of June 18, 1921, may have been greater than flood of July 2, 1917.

REMARKS.--Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

REVISIONS.--WSP 1710: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1510	1110	938	832	821	734	750	980	937	1440	424	453
2	1440	1100	942	837	840	728	715	958	928	1220	459	459
3	1370	1130	952	818	859	728	706	932	909	1150	446	462
4	1310	1110	947	817	847	728	736	915	910	1140	442	491
5	1300	1090	954	819	827	727	779	899	895	1310	401	537
6	1300	1090	971	819	801	733	801	878	833	1590	378	580
7	1280	1090	965	817	797	729	821	858	816	1410	361	639
8	1270	1080	947	816	843	727	902	863	831	1360	365	667
9	1290	1080	942	816	823	727	908	768	802	1200	356	675
10	1430	1070	937	795	757	726	932	812	819	1180	354	663
11	1610	1060	931	763	804	725	940	890	824	1250	352	648
12	1490	1050	921	576	800	724	912	930	819	1250	340	719
13	1410	1030	902	670	806	723	869	909	828	1120	351	779
14	1340	1020	908	690	812	723	850	881	815	973	432	799
15	1290	1030	900	838	817	716	833	792	815	928	463	805
16	1260	1030	886	816	797	714	823	739	794	860	533	767
17	1250	1030	891	816	791	714	806	732	794	853	551	738
18	1220	1030	891	805	776	699	789	738	838	639	525	714
19	1190	1020	887	809	765	698	808	720	957	540	464	714
20	1180	1020	879	817	769	703	912	657	996	468	437	702
21	1170	1020	886	815	752	703	991	610	1030	457	429	721
22	1160	1010	869	803	734	703	1030	686	1260	406	420	754
23	1160	1000	856	790	739	687	1080	775	1420	498	440	788
24	1140	1000	845	794	740	667	1290	736	1410	556	449	803
25	1130	1010	840	799	738	674	1440	704	1270	532	452	920
26	1110	978	835	812	732	674	1380	707	1160	492	443	1030
27	1120	966	840	813	731	627	1220	747	1320	462	428	1130
28	1130	966	840	817	734	457	1160	774	1490	430	423	1360
29	1130	956	848	813	---	582	1070	881	1570	414	411	1430
30	1130	937	840	805	---	725	1020	911	1600	481	406	1520
31	1160	---	838	816	---	784	---	928	---	443	433	---
TOTAL	39280	31113	27828	24663	22052	21709	28273	25310	30690	27052	13168	23466
MEAN	1267	1037	898	796	788	700	942	816	1023	873	425	782
MAX	1610	1130	971	838	859	784	1440	980	1600	1590	551	1520
MIN	1110	937	835	576	731	457	706	610	794	406	340	453
AC-FT	77910	61710	55200	48920	43740	43060	56080	50200	60870	53660	26120	46540

CAL YR 1974 TOTAL 651352 MEAN 1785 MAX 5410 MIN 389 AC-FT 1292000
WTR YR 1975 TOTAL 314604 MEAN 862 MAX 1610 MIN 340 AC-FT 624000

06682500 Ninemile drain near McGrew, Nebr.

LOCATION.--Lat 41°46'15", long 103°25'18", in SE1/4SE1/4 sec.23, T.21 N., R.53 W., Scotts Bluff County, on right bank 15 ft (5 m) upstream from highway bridge, 0.5 mi (0.8 km) upstream from mouth, and 1.5 mi (2.4 km) north of McGrew.

PERIOD OF RECORD.--January 1932 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,780 ft (1,152 m), from topographic map. Prior to Apr. 14, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--43 years, 118 ft³/s (3.342 m³/s), 85,490 acre-ft/yr (0.105 km³/yr).

EXTREMES.--Current year: Maximum discharge, 456 ft³/s (12.9 m³/s) June 24, gage height, 3.19 ft (0.972 m); maximum gage height, 4.07 ft (1.241 m) Mar. 29, backwater from snow; minimum daily discharge, 40 ft³/s (1.13 m³/s) Mar. 29.

Period of record: Maximum discharge, 908 ft³/s (25.7 m³/s) June 2, 1971, gage height, 5.31 ft (1.618 m); minimum daily, 24 ft³/s (0.68 m³/s) July 5, 1961, May 13, 1962.

REMARKS.--Records good, except those for period of no gage-height record, which are poor. Flow affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 926: 1936.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	125	114	99	92	81	110	74	129	136	194	204
2	163	129	113	96	91	81	100	70	131	132	189	205
3	158	129	113	96	91	81	91	68	138	118	187	214
4	152	127	110	96	90	80	92	67	138	131	190	213
5	150	125	110	97	89	80	93	91	138	149	182	217
6	149	122	110	97	90	82	91	116	136	156	183	231
7	147	121	108	97	90	82	96	96	139	149	179	239
8	145	119	108	99	89	81	95	95	148	142	185	236
9	147	118	107	96	90	81	94	99	148	169	182	229
10	145	116	107	95	90	81	94	99	149	257	182	223
11	156	116	107	95	89	81	93	145	143	229	178	231
12	162	116	107	92	89	80	91	114	137	225	161	234
13	155	115	107	93	89	80	90	115	132	205	181	242
14	150	117	107	95	88	80	85	111	125	164	199	244
15	144	117	106	95	89	80	83	127	123	167	204	238
16	139	117	105	94	89	80	83	129	121	166	229	233
17	138	117	105	94	88	79	82	116	124	171	247	229
18	137	117	104	95	88	79	75	104	133	156	241	223
19	136	117	104	97	88	79	66	103	149	150	222	226
20	136	117	104	95	88	79	65	113	141	151	213	223
21	137	117	104	93	85	81	65	121	134	155	206	223
22	136	115	103	96	85	81	64	130	139	149	205	214
23	136	109	103	96	84	77	63	141	138	155	205	211
24	134	111	102	95	84	78	66	125	229	167	204	210
25	132	116	102	96	83	78	69	108	161	171	201	210
26	131	115	102	95	83	79	69	109	172	169	196	208
27	131	117	100	94	82	70	67	111	153	169	197	208
28	129	116	100	95	81	50	73	117	150	171	190	217
29	126	114	99	94	---	40	73	136	145	176	185	223
30	127	113	96	94	---	60	75	133	143	194	190	214
31	127	---	99	93	---	90	---	127	---	189	201	---
TOTAL	4424	3540	3266	2954	2454	2391	2453	3410	4286	5188	6108	6671
MEAN	143	118	105	95.3	87.6	77.1	81.8	110	143	167	197	222
MAX	169	129	114	99	92	90	110	145	229	257	247	244
MIN	126	109	96	92	81	40	63	67	121	118	161	204
AC-FT	8780	7020	6480	5860	4870	4740	4870	6760	8500	10290	12120	13230

CAL YR 1974 TOTAL 45704 MEAN 125 MAX 317 MIN 59 AC-FT 90650
WTR YR 1975 TOTAL 47145 MEAN 129 MAX 257 MIN 40 AC-FT 93510

06683000 Bayard Sugar Factory drain near Bayard, Nebr.

LOCATION.--Lat 41°44'10", long 103°19'53", in SE1/4NE1/4 sec.5, T.20 N., R.52 W., Morrill County, on right bank 600 ft (183 m) upstream from mouth and 1.2 mi (1.9 km) south of Bayard.

PERIOD OF RECORD.--October 1931 to current year.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 3,746.28 ft (1,141.866 m) above mean sea level. Prior to Jan. 7, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 28.6 ft³/s (0.810 m³/s), 20,720 acre-ft/yr (25.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 139 ft³/s (3.94 m³/s) Sept. 10, gage height, 2.38 ft (0.725 m); maximum gage height, 3.22 ft (0.981 m) Mar. 10, from highwater mark, backwater from ice or snow in channel; minimum daily discharge, 2.1 ft³/s (0.059 m³/s) May 19.
Period of record: Maximum discharge, 391 ft³/s (11.1 m³/s) July 3, 1956, gage height, 4.32 ft (1.317 m); no flow June 1, 2, July 4-8, 1934, May 16, 17, 1936, Aug. 8, 9, 1960, Apr. 29, 30, May 4, 5, 1962, May 23-31, 1973.

REMARKS.--Records good. Flow affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1110: 1937(M), 1941.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	33	26	23	22	22	15	9.7	14	8.4	26	43
2	44	34	25	23	22	21	20	9.4	14	9.7	27	46
3	43	34	24	22	22	21	20	8.3	14	7.0	26	44
4	50	33	24	23	22	21	25	7.4	15	5.2	25	44
5	50	31	24	23	21	20	28	5.8	17	3.5	31	49
6	57	31	26	23	22	21	27	9.3	15	8.5	30	52
7	59	32	26	23	22	21	30	14	14	9.8	32	53
8	61	32	26	23	21	21	33	11	18	11	26	49
9	62	31	26	23	22	21	31	6.8	17	16	28	41
10	65	31	26	22	22	20	28	4.1	18	45	31	43
11	64	32	26	18	22	21	27	4.1	21	13	29	42
12	57	31	26	20	23	21	25	6.1	17	24	30	44
13	51	31	25	21	23	21	24	6.1	16	20	40	43
14	44	30	25	21	23	20	24	4.1	14	18	46	43
15	41	31	26	20	22	21	25	3.9	12	25	46	39
16	37	30	25	20	22	18	26	3.7	15	32	51	38
17	37	30	25	21	22	18	26	4.9	19	26	54	30
18	37	29	25	21	22	18	28	3.0	19	37	54	25
19	36	30	25	20	22	22	39	2.1	24	42	51	21
20	36	29	25	19	23	22	40	2.6	16	42	52	28
21	32	29	25	22	22	22	19	3.0	14	43	50	25
22	33	29	24	23	22	22	40	3.6	16	40	46	25
23	33	29	24	23	22	21	40	9.0	11	37	44	21
24	33	28	23	23	23	20	40	6.1	22	38	43	19
25	33	29	23	23	22	20	39	4.5	5.9	41	48	22
26	32	28	23	23	22	19	17	2.9	12	28	49	24
27	42	27	23	22	22	13	5.8	2.6	12	17	45	27
28	32	28	23	22	22	11	8.5	2.7	13	16	42	25
29	31	27	24	22	---	13	6.1	4.9	13	13	41	27
30	32	26	23	22	---	10	5.6	3.7	10	22	40	49
31	37	---	23	22	---	10	---	9.9	---	27	40	---
TOTAL	1331	905	764	674	619	592	782.0	181.1	457.9	745.1	1233	1069
MEAN	42.9	30.2	24.6	21.7	22.1	19.1	26.1	5.84	15.3	24.0	39.8	35.6
MAX	65	34	26	23	23	22	40	14	24	45	54	53
MIN	30	26	23	18	21	10	5.6	2.1	5.9	3.5	25	19
AC-FT	2640	1800	1520	1340	1230	1170	1550	359	908	1480	2450	2120

CAL YR 1974 TOTAL 9959.69 MEAN 27.3 MAX 73 MIN .33 AC-FT 19760
WTR YR 1975 TOTAL 9353.10 MEAN 25.6 MAX 65 MIN 2.1 AC-FT 18550

06684000 Red Willow Creek near Bayard, Nebr.

LOCATION.--Lat 41°42'50", long 103°15'10", in NE1/4NE1/4 sec.13, T.20 N., R.52 W., Morrill County, on left bank 75 ft (23 m) downstream from timber bridge, 0.2 mi (0.3 km) downstream from Wild Horse drain, 0.8 mi (1.3 km) upstream from mouth, and 4.5 mi (7.2 km) southeast of Bayard.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 3,716.29 ft (1,132.725 m) above mean sea level. Prior to Nov. 18, 1938, nonrecording gage and Nov. 18, 1938, to Apr. 15, 1946, water-stage recorder at site 65 ft (19.8 m) upstream at datum 1.00 ft (0.305 m) higher, and Apr. 16, 1946, to June 12, 1957, at present datum.

AVERAGE DISCHARGE.--44 years, 86.9 ft³/s (2.461 m³/s), 62,960 acre-ft/yr (77.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 408 ft³/s (11.6 m³/s) May 17, gage height, 2.49 ft (0.759 m); minimum daily, 40 ft³/s (1.13 m³/s) Mar. 28,29.

Period of record: Maximum discharge, 2,320 ft³/s (65.7 m³/s) July 3, 1956, gage height, 7.33 ft (2.234 m); maximum gage height, 7.8 ft (2.38 m) May 10, 1942, from floodmark, present datum; minimum daily discharge, 15 ft³/s (0.42 m³/s) Apr. 23, 1935, Apr. 26, 1962.

REMARKS.--Records good. Natural flow of stream affected by diversions and ground-water withdrawals for irrigation, return flow from irrigated areas, and occasional waste into creek from Tri-State canal.

REVISIONS (WATER YEARS).--WSP 1310: 1937(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	102	88	77	70	63	55	61	218	165	95	121
2	181	101	87	77	70	65	56	48	253	160	94	154
3	173	101	87	76	69	65	59	49	242	197	108	153
4	159	100	86	76	69	65	62	49	227	222	110	159
5	137	100	86	76	67	65	74	48	211	197	95	192
6	136	99	86	76	67	65	77	64	203	188	81	217
7	133	98	86	76	69	64	84	53	214	177	75	217
8	130	98	86	77	69	64	83	59	192	132	69	215
9	127	98	85	76	69	63	79	56	176	117	70	217
10	124	97	84	76	67	63	73	61	171	139	73	219
11	123	97	84	69	66	63	74	72	184	147	75	243
12	122	98	86	72	65	62	71	182	181	141	71	251
13	121	96	89	74	65	62	70	200	191	114	97	249
14	119	95	88	73	66	62	68	199	167	114	106	255
15	117	95	87	73	66	62	67	190	171	116	114	250
16	111	99	87	73	65	62	66	177	162	119	143	235
17	110	99	87	72	65	61	64	192	161	114	146	194
18	107	97	87	73	65	60	63	208	167	96	139	173
19	106	97	87	72	65	60	61	208	164	79	129	171
20	106	95	86	72	65	60	61	210	218	89	130	165
21	107	93	85	70	63	60	60	211	207	89	131	138
22	106	92	82	70	63	61	60	236	209	77	135	135
23	105	90	81	70	63	58	59	276	217	76	136	133
24	107	90	80	70	65	55	48	263	242	77	133	127
25	107	92	80	70	65	56	43	240	226	76	123	126
26	107	89	79	70	63	57	47	224	232	94	121	121
27	105	88	81	70	63	50	49	195	205	99	117	134
28	105	90	81	70	63	40	55	174	202	89	118	149
29	107	89	80	70	---	40	53	206	194	80	111	185
30	108	89	79	70	---	50	57	223	177	79	107	191
31	109	---	78	70	---	90	---	228	---	80	110	---
TOTAL	3805	2864	2615	2256	1847	1873	1898	4862	5984	3714	3352	5489
MEAN	123	95.5	84.4	72.8	66.0	60.4	63.3	157	199	120	108	183
MAX	189	102	89	77	70	90	84	276	253	222	146	255
MIN	105	88	78	69	63	40	43	48	161	76	69	121
AC-FT	7550	5690	5190	4470	3660	3720	3760	9640	11870	7370	6650	10890

CAL YR 1974 TOTAL 43406 MEAN 119 MAX 354 MIN 44 AC-FT 86100
WTR YR 1975 TOTAL 40559 MEAN 111 MAX 276 MIN 40 AC-FT 80450

06684500 North Platte River at Bridgeport, Nebr.

LOCATION.--Main channel gage: Lat 41°40'39", long 103°05'45", in NW1/4SW1/4 sec.28, T.20 N., R.50 W., Morrill County, on downstream side of pier near center of bridge on U.S. Highway 26, 0.5 mi (0.8 km) north of Bridgeport. Browns Creek channel gage: Lat 41°40'55", long 103°05'53", in NW1/4NW1/4 sec.28, T.20 N., R.50 W., Morrill County, on left bank 0.2 mi (0.3 km) upstream from culvert on U.S. Highway 26 and 0.8 mi (1.3 km) north of Bridgeport.

DRAINAGE AREA.--29,300 mi² (75,900 km²), approximately, of which about 23,300 mi² (60,300 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--June 1896 to October 1900 (no winter records most years), May 1902 to November 1906, June to August 1915, May 1916 to current year. Monthly discharge only for some years, published in WSP 1310. Published as "near Camp Clark" 1896-1900.

GAGE.--Main channel: Water-stage recorder. Datum of gage is 3,656.14 ft (1,114.391 m) above mean sea level. See WSP 1918 for history of changes prior to Oct. 7, 1927.
Browns Creek channel: Water-stage recorder. Datum of gage is 3,663.51 ft (1,116.638 m) above mean sea level. See WSP 1918 for history of changes prior to June 1, 1943.

EXTREMES.--Current year: Maximum discharge, 2,330 ft³/s (66.0 m³/s) June 30; minimum daily, 538 ft³/s (15.2 m³/s) July 23.
Period of record: Maximum discharge, 24,900 ft³/s (705 m³/s) June 26, 1899, gage height, 5.39 ft (1.643 m), site and datum then in use, from graph based on gage readings; minimum daily, 55 ft³/s (1.56 m³/s) May 28, 1934, Aug. 15, 1940, but may have been less during periods of no record for Browns Creek channel.

REMARKS.--Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. River flows in two independently rated channels for which separate records are computed; figures herein represent combined discharge. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1390: 1897, 1915. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	1430	1190	1040	1010	924	1110	1190	1230	1730	612	757
2	1930	1440	1180	1050	1040	924	1050	1130	1250	1380	637	802
3	1890	1440	1180	1040	1060	924	1000	1060	1200	1260	639	809
4	1870	1380	1180	1050	1060	933	1040	1010	1100	1240	672	839
5	1860	1370	1180	1030	1020	924	1110	966	1070	1220	637	915
6	1870	1350	1250	1040	1000	924	1160	938	1030	1470	614	977
7	1800	1320	1260	1050	980	915	1220	955	996	1490	597	1040
8	1740	1300	1230	1060	1060	915	1250	926	1020	1340	585	1100
9	1700	1280	1180	1050	1030	906	1270	920	957	1270	572	1120
10	1790	1280	1160	1050	978	915	1210	887	957	1340	571	1110
11	2050	1270	1140	970	951	906	1220	989	1020	1390	585	1140
12	2060	1270	1140	1030	987	937	1180	1080	1010	1420	542	1220
13	1940	1300	1130	1160	1000	975	1150	1210	1010	1370	614	1290
14	1830	1320	1130	1170	1010	973	1110	1130	949	1200	740	1350
15	1750	1330	1100	1180	1020	954	1070	1110	901	1100	796	1360
16	1710	1330	1100	1170	996	899	1070	1030	918	1060	839	1290
17	1660	1310	1120	1170	978	908	1060	962	934	1030	926	1190
18	1580	1300	1130	1030	987	900	1010	1010	986	870	952	1190
19	1570	1270	1120	1000	969	885	1000	986	1070	731	872	1180
20	1530	1250	1100	1040	969	905	1070	941	1210	633	791	1120
21	1500	1250	1090	1020	960	907	1170	900	1210	599	770	1100
22	1500	1240	1100	996	924	904	1240	929	1300	558	778	1140
23	1520	1260	1110	1010	924	884	1240	1150	1450	538	780	1120
24	1540	1250	1100	1000	924	864	1290	1130	1690	578	790	1120
25	1520	1260	1100	1010	906	855	1430	1070	1570	609	788	1160
26	1520	1220	1100	1020	897	837	1510	1030	1390	611	766	1260
27	1500	1200	1090	1010	906	645	1360	1020	1340	606	751	1360
28	1460	1200	1050	1000	915	730	1360	1030	1430	601	732	1520
29	1440	1200	1040	1000	---	915	1270	1210	1480	582	706	1670
30	1440	1190	1030	1000	---	1120	1230	1280	1580	610	696	1750
31	1450	---	1020	996	---	1220	---	1260	---	635	715	---
TOTAL	52520	38810	35030	32442	27461	28327	35460	32439	35258	31071	22065	34998
MEAN	1694	1294	1130	1047	981	914	1182	1046	1175	1002	712	1167
MAX	2060	1440	1260	1180	1060	1220	1510	1280	1690	1730	952	1750
MIN	1440	1190	1020	970	897	645	1000	887	901	538	542	757
AC-FT	104200	76980	69480	64350	54470	56190	70330	64340	69930	61630	43770	69420

CAL YR 1974 TOTAL 741932 MEAN 2033 MAX 5840 MIN 511 AC-FT 1472000
WTR YR 1975 TOTAL 405881 MEAN 1112 MAX 2060 MIN 538 AC-FT 805100

06685000 Pumpkin Creek near Bridgeport, Nebr.

LOCATION.--Lat 41°37'38", long 103°02'10", in SW1/4 sec.12, T.19 N., R.50 W., Morrill County, on left bank 250 ft (76 m) downstream from bridge on U.S. Highway 385 and State Highway 92, 0.5 mi (0.8 km) upstream from mouth, and 4 mi (6 km) southeast of Bridgeport.

DRAINAGE AREA.--1,020 mi² (2,640 km²), approximately.

PERIOD OF RECORD.--February 1931 to current year.

GAGE.--Water-stage recorder. Sheet piling control since December 1964. Datum of gage is 3,635.99 ft (1,108.250 m) above mean sea level. Prior to June 25, 1934, nonrecording gage on downstream side of bridge 240 ft (73 m) upstream and June 25, 1934, to May 18, 1936, water-stage recorder at upstream side of bridge 260 ft (79 m) upstream, both at datum 0.29 ft (0.088 m) higher.

AVERAGE DISCHARGE.--44 years, 30.7 ft³/s (0.869 m³/s), 22,240 acre-ft/yr (27.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 84 ft³/s (2.38 m³/s) May 13, gage height, 2.40 ft (0.732 m); maximum gage height, 3.94 ft (1.201 m) Mar. 29, backwater from snow; no flow July 22,24-26, Aug. 5-8.
Period of record: Maximum discharge, 7,880 ft³/s (223 m³/s) June 9, 1965, gage height, 9.98 ft (3.042 m), from floodmark, from rating curve extended above 3,500 ft³/s (99.1 m³/s) on basis of rating extension for main channel and determination of flow over road; no flow July 22,24-26, Aug. 5-8.

REMARKS.--Records good. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1390: 1932, 1934(M), 1935, 1936(M), 1938-39. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	14	22	21	23	26	18	23	33	5.0	.12	4.8
2	15	14	23	22	23	27	18	21	32	4.3	.03	4.5
3	16	14	23	20	23	27	18	20	29	3.9	.02	4.8
4	13	14	23	21	22	26	25	20	23	3.9	.02	4.8
5	12	15	23	21	22	26	21	20	21	3.5	0	4.3
6	12	15	24	21	20	26	21	22	22	3.0	0	3.9
7	12	14	25	23	22	26	23	21	23	2.7	0	3.7
8	12	13	24	23	22	26	43	22	13	2.7	0	4.1
9	12	13	23	23	22	26	37	22	18	2.2	.02	4.1
10	12	14	23	19	23	26	44	22	21	2.2	.04	4.1
11	12	14	24	15	22	26	33	23	21	2.1	.06	10
12	12	15	24	17	23	25	31	28	21	2.1	.06	9.9
13	12	15	25	26	23	25	29	73	19	1.9	.06	5.6
14	11	15	24	23	25	29	29	67	20	1.9	.06	6.1
15	12	15	24	20	25	27	27	40	20	1.7	.04	6.8
16	12	17	23	21	23	27	28	36	19	1.6	.04	6.8
17	16	17	23	21	23	26	27	38	20	1.4	.04	7.0
18	15	19	26	22	23	25	28	38	19	1.3	.04	7.0
19	15	20	26	22	23	25	28	39	17	.07	.07	7.5
20	14	23	26	23	23	25	27	33	16	.02	.22	7.9
21	14	23	24	23	23	25	26	30	23	.02	.24	11
22	14	23	26	23	22	24	26	30	30	0	.22	12
23	13	23	25	23	21	19	25	34	26	.02	.07	11
24	13	23	20	23	22	20	25	32	17	0	.07	9.9
25	12	23	15	24	23	21	24	31	14	0	.07	9.9
26	12	23	18	24	25	22	23	29	11	0	.08	9.7
27	12	23	22	23	25	15	23	26	11	.03	2.8	9.7
28	12	23	23	23	25	7.6	26	25	9.9	.18	4.8	9.7
29	12	22	22	23	---	10	25	28	8.3	.22	5.0	9.4
30	12	22	22	22	---	15	23	31	6.1	.24	5.0	9.4
31	13	---	21	22	---	18	---	33	---	.18	4.8	---
TOTAL	401	538	716	677	641	718.6	801	957	583.3	48.38	24.09	219.3
MEAN	12.9	17.9	23.1	21.8	22.9	23.2	26.7	30.9	19.4	1.56	.78	7.31
MAX	16	23	26	26	25	29	44	73	33	5.0	5.0	12
MIN	11	13	15	15	20	7.6	18	20	6.1	0	0	3.7
AC-FT	795	1070	1420	1340	1270	1430	1590	1900	1160	96	48	435

CAL YR 1974 TOTAL 6803.39 MEAN 18.6 MAX 66 MIN .57 AC-FT 13490
WTR YR 1975 TOTAL 6324.67 MEAN 17.3 MAX 73 MIN 0 AC-FT 12540

06686000 North Platte River at Lisco, Nebr.

LOCATION.--Lat 41°29'18", long 102°37'25", in NW1/4SE1/4 sec.33, T.18 N., R.46 W., Garden County, near right bank on downstream side of pier of highway bridge, 0.5 mi (0.8 km) south of Lisco.

DRAINAGE AREA.--30,700 mi^2 (79,500 km^2), approximately, of which about 24,700 mi^2 (64,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--May to September 1916, June to October 1917, September 1931 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 3,474.5 ft (1,059.03 m) above mean sea level. Prior to Sept. 8, 1931, nonrecording gage at present site at different datum and Sept. 8, 1931, to May 3, 1932, at present site at datum 1.0 ft (0.30 m) higher. May 4, 1932 to May 28, 1974, water-stage recorder at present site at datum 1.0 ft (0.30 m) higher.

EXTREMES.--Current year: Maximum discharge, 2,170 ft^3/s (61.5 m^3/s) July 1, gage height, 2.57 ft (0.783 m); maximum gage height, 4.31 ft (1.314 m) Feb. 5, backwater from ice; minimum daily discharge, 428 ft^3/s (12.1 m^3/s) Aug. 11.

Period of record: Maximum discharge, 20,100 ft^3/s (569 m^3/s) June 27, 29, 1917, from graph based on daily gage readings, from rating curve extended above 15,000 ft^3/s (425 m^3/s); minimum daily, 8 ft^3/s (0.23 m^3/s) Aug. 4, 1934.

REMARKS.--Records good except those for winter period, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses, water temperatures, and fluvial sediments, for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2020	1730	1400	1160	1250	1070	1450	1280	1400	1830	599	644
2	1970	1760	1400	1140	1350	1090	1450	1260	1350	1530	574	722
3	1920	1790	1350	1160	1250	1100	1500	1200	1290	1240	574	743
4	1880	1790	1370	1250	1150	1130	1600	1170	1230	1180	599	754
5	1780	1700	1390	1320	900	1240	1550	1160	1180	1160	590	764
6	1740	1640	1390	1290	1020	1220	1450	1140	1140	1200	558	820
7	1760	1590	1410	1230	1120	1110	1450	1130	1140	1510	542	888
8	1760	1570	1380	1160	1250	1090	1430	1130	1160	1370	510	952
9	1800	1550	1410	1190	1350	1020	1430	1130	1090	1280	475	1020
10	1800	1550	1410	1160	1500	1020	1450	1110	1040	1240	450	1060
11	1920	1530	1380	1000	1500	1060	1450	1140	1030	1290	428	1130
12	2100	1500	1370	1020	1500	1040	1400	1380	1020	1280	447	1180
13	2060	1500	1350	1040	1500	1070	1340	1740	1020	1260	489	1350
14	1970	1500	1370	1060	1400	1090	1320	1500	1040	1160	550	1480
15	1910	1520	1300	1120	1300	1110	1260	1380	1060	1040	644	1460
16	1780	1510	1320	1180	1250	1130	1260	1280	1090	939	732	1450
17	1730	1470	1350	1220	1200	1170	1280	1200	1060	913	774	1300
18	1700	1500	1390	1300	1140	1130	1280	1240	1090	926	842	1130
19	1700	1500	1410	1350	1100	1090	1180	1160	1100	920	866	1110
20	1700	1480	1390	1400	1220	1110	1140	1110	1170	700	808	1090
21	1690	1500	1390	1450	1180	1180	1180	1130	1400	582	754	1060
22	1670	1500	1390	1400	1230	1220	1300	1170	1550	550	722	1100
23	1640	1470	1260	1350	1300	1180	1340	1500	1600	475	743	1130
24	1630	1460	1150	1300	1240	1070	1340	1350	1690	434	722	1060
25	1590	1440	1150	1210	1110	1030	1500	1230	1870	475	701	1060
26	1550	1440	1300	1190	1040	1000	1630	1140	1740	475	690	1100
27	1520	1480	1400	1200	1060	900	1600	1090	1550	461	690	1200
28	1480	1500	1350	1160	1060	800	1630	1130	1510	454	743	1370
29	1550	1480	1350	1160	---	900	1400	1350	1560	461	680	1670
30	1620	1410	1300	1200	---	1200	1290	1420	1650	454	653	1780
31	1660	---	1250	1200	---	1300	---	1480	---	496	644	---
TOTAL	54600	46360	41830	37570	34470	33870	41880	38830	38820	29185	19793	33577
MEAN	1761	1545	1349	1212	1231	1093	1396	1253	1294	941	638	1119
MAX	2100	1790	1410	1450	1500	1300	1630	1740	1870	1830	866	1780
MIN	1480	1410	1150	1000	900	800	1140	1090	1020	434	428	644
AC-FT	108300	91960	82970	74520	68370	67180	83070	77020	77000	57890	39260	66600

CAL YR 1974 TOTAL 785479 MEAN 2152 MAX 5840 MIN 580 AC-FT 1558000
WTR YR 1975 TOTAL 450785 MEAN 1235 MAX 2100 MIN 428 AC-FT 894100

06687000 Blue Creek near Lewellen, Nebr.

LOCATION.--Lat 41°20'07", long 102°10'21", in NE1/4 sec.30, T.16 N., R.42 W., Garden County, on right bank 130 ft (40 m) downstream from county highway bridge, 0.5 mi (0.8 km) downstream from bridge on U.S. Highway 26, 0.8 mi (1.3 km) upstream from mouth, and 1.5 mi (2.4 km) west of Lewellen.

DRAINAGE AREA.--1,120 mi^2 (2,900 km^2), approximately, of which about 80 mi^2 (210 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,310.04 ft (1,008.900 m) above mean sea level. See WSP 1918 for history of changes prior to Apr. 10, 1958.

AVERAGE DISCHARGE.--45 years, 69.7 ft^3/s (1.974 m^3/s), 50,500 acre-ft/yr (62.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 146 ft^3/s (4.13 m^3/s) May 13, gage height, 3.85 ft (1.173 m); maximum gage height, 5.70 ft (1.737 m) Dec. 25,26, backwater from ice; minimum daily discharge, 0.18 ft^3/s (0.005 m^3/s) July 18.

Period of record: Maximum discharge, 720 ft^3/s (20.4 m^3/s) May 20, 1938, gage height, 6.46 ft (1.969 m), present datum, from rating curve extended above 500 ft^3/s (14.2 m^3/s); maximum gage height, 6.93 ft (2.112 m), present datum, Dec. 21, 1945, backwater from ice; no flow for short periods in 1940, 1947, 1957, 1960-61, 1963, 1971.

REMARKS.--Records good except those for winter period, which are fair. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1310: 1941(M). WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	84	92	92	102	97	90	93	74	1.6	16	.24
2	23	86	94	92	99	97	120	93	75	.74	17	.20
3	22	89	95	94	101	95	120	91	75	.69	14	.53
4	24	86	94	94	97	96	130	92	74	.50	9.8	4.0
5	36	85	95	94	90	101	131	91	75	.42	4.9	2.9
6	35	86	97	93	84	101	126	90	72	.42	.72	2.6
7	36	88	96	94	80	98	127	86	69	.50	.35	5.4
8	34	90	93	94	84	98	118	78	73	1.0	1.7	8.0
9	34	90	94	92	88	95	107	77	77	.60	3.0	11
10	45	90	94	85	94	95	102	79	75	.50	2.6	12
11	44	90	98	66	97	95	103	83	73	.42	1.5	14
12	43	90	98	74	96	92	101	94	73	.38	5.5	17
13	45	91	100	84	94	96	100	134	72	.25	9.5	19
14	54	90	101	94	95	102	101	117	68	.21	11	22
15	61	91	102	102	93	103	102	96	45	.21	9.8	24
16	61	92	108	106	93	102	104	88	30	.25	3.9	20
17	73	92	106	108	93	101	102	83	27	.21	1.4	18
18	77	91	107	110	91	100	98	82	48	.18	1.3	14
19	79	92	103	113	93	100	96	85	48	.25	.60	11
20	81	92	95	112	93	103	97	75	46	.30	.57	6.2
21	84	91	98	110	92	104	99	58	47	.30	.47	5.9
22	79	93	94	106	88	104	98	69	44	1.4	1.2	5.6
23	82	92	88	105	88	101	98	80	38	6.0	5.4	4.2
24	81	91	74	104	94	99	97	84	20	1.6	9.0	1.5
25	77	92	80	102	97	102	97	71	12	2.0	8.3	5.6
26	77	93	80	101	96	100	96	71	23	2.8	1.2	6.3
27	77	93	86	99	94	90	95	71	13	.99	.31	8.0
28	77	93	92	96	95	60	101	73	7.9	1.2	.40	16
29	77	91	98	96	---	30	100	84	5.2	.52	.39	23
30	80	90	94	94	---	50	93	79	7.3	.92	.35	21
31	84	---	93	94	---	70	---	74	---	10	.32	---
TOTAL	1810	2704	2943	3000	2601	2877	3149	2621	1486.4	37.36	142.48	309.17
MEAN	58.4	90.1	94.9	96.8	92.9	92.8	105	84.5	49.5	1.21	4.60	10.3
MAX	84	93	108	113	102	104	131	134	77	10	17	24
MIN	22	84	74	66	80	30	90	58	5.2	.18	.31	.20
AC-FT	3590	5360	5840	5950	5160	5710	6250	5200	2950	74	283	613

CAL YR 1974 TOTAL 23351.63 MEAN 64.0 MAX 125 MIN .21 AC-FT 46320
WTR YR 1975 TOTAL 23680.41 MEAN 64.9 MAX 134 MIN .18 AC-FT 46970

06687500 North Platte River at Lewellen, Nebr.

LOCATION.--Lat 41°18'37", long 102°09'00", in SE1/4NW1/4 sec.33, T.16 N., R.42 W., Garden County, on right bank 28 ft (9 m) upstream from county highway bridge, 1 mi (2 km) south of Lewellen, and approximately 1.5 mi (2.4 km) upstream from high-water line of Lake McConaughy.

DRAINAGE AREA.--32,600 mi² (84,400 km²), approximately, of which about 25,400 mi² (65,800 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July to September 1931, December 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,290.16 ft (1,002.841 m) above mean sea level. July to September 1931 nonrecording gage near present site at different datum. December 1940 to Sept. 19, 1973, water-stage recorders on two channels at site 0.9 mi (1.4 km) downstream at datum approximately 6 ft (1.8 m) lower.

EXTREMES.--Current year: Maximum discharge, 2,300 ft³/s (65.1 m³/s) Apr. 28, gage height, 5.42 ft (1.652 m); maximum gage height, 8.57 ft (2.612 m) Dec. 17, backwater from ice; minimum daily discharge, 364 ft³/s (10.3 m³/s) July 29.

Period of record: Maximum discharge, 13,500 ft³/s (382 m³/s) June 4, 1971; minimum daily, 44 ft³/s (1.25 m³/s) July 13, 1954.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2100	1730	1520	1350	1550	1350	1600	1390	1500	1480	552	628
2	2130	1690	1450	1300	1600	1350	1750	1190	1450	1760	571	628
3	2150	1730	1500	1400	1650	1390	1800	1190	1370	1410	609	704
4	2150	1760	1550	1450	1650	1370	1900	1130	1330	1330	552	761
5	2100	1710	1600	1500	1450	1370	1800	1150	1290	1310	552	780
6	2100	1710	1650	1500	1300	1410	1700	1170	1210	1290	514	799
7	2050	1730	1580	1450	1300	1380	1620	1150	1150	1310	476	875
8	1920	1690	1620	1450	1200	1350	1600	1150	1310	1480	476	913
9	1890	1650	1670	1300	1100	1300	1560	1030	1210	1350	438	990
10	1920	1580	1760	1300	1300	1240	1580	1010	1050	1270	419	1030
11	1870	1580	730	1100	1500	1240	1600	1070	1070	1310	400	1090
12	2010	1580	1650	1100	1900	1250	1600	1250	1170	1390	400	1210
13	2100	1560	1620	1100	1850	1250	1540	1920	1190	1390	426	1270
14	2050	1450	1600	1100	1750	1230	1480	1820	1170	1310	571	1350
15	2010	1480	1600	1250	1600	1230	1450	1580	970	1150	704	1410
16	2100	1520	1500	1400	1500	1230	1430	1520	894	990	761	1330
17	2130	1500	1550	1500	1450	1290	1400	1450	970	932	761	1250
18	2110	1510	1550	1600	1350	1270	1350	1390	1110	932	761	1190
19	2100	1500	1600	1750	1350	1210	1350	1450	1130	894	780	1170
20	2050	1500	1820	1900	1400	1250	1300	1350	1090	685	780	1150
21	1870	1520	1730	1850	1400	1250	1310	1270	1290	514	723	1150
22	1870	1540	1730	1800	1400	1250	1350	1250	1520	552	704	1150
23	1890	1580	1500	1700	1450	1330	1350	1450	1370	571	647	1130
24	1890	1620	1250	1650	1500	1190	1350	1430	1350	457	647	1130
25	1820	1620	1100	1600	1550	1010	1390	1290	1540	457	647	1130
26	1690	1580	1200	1580	1450	1000	1620	1150	1780	457	704	1170
27	1690	1540	1300	1550	1400	900	1920	1170	1560	457	685	1230
28	1730	1650	1400	1500	1340	820	2200	1290	1480	400	704	1270
29	1730	1650	1500	1450	---	960	1980	1600	1430	364	685	1370
30	1730	1560	1400	1400	---	1200	1620	1500	1480	400	647	1580
31	1760	---	1400	1450	---	1450	---	1480	---	514	628	---
TOTAL	60710	48020	47630	45330	41240	38320	47500	41240	38434	30116	18924	32838
MEAN	1958	1601	1536	1462	1473	1236	1583	1330	1281	971	610	1095
MAX	2150	1760	1820	1900	1900	1450	2200	1920	1780	1760	780	1580
MIN	1690	1450	1100	1100	1100	820	1300	1010	894	364	400	628
AC-FT	120400	95250	94470	89910	81800	76010	94220	81800	76230	59740	37540	65130

CAL YR 1974 TOTAL 814638 MEAN 2232 MAX 6000 MIN 552 AC-FT 1616000

WTR YR 1975 TOTAL 490302 MEAN 1343 MAX 2200 MIN 364 AC-FT 972500

06690000 Lake McConaughy near Keystone, Nebr.

LOCATION.--Lat 41°12'45", long 101°40'03", in NW1/4SW1/4 sec.3, T.14 N., R.38 W., Keith County, near right bank at outlet tower of Kingsley Dam on North Platte River, 4.5 mi (7.2 km) west of Keystone.

DRAINAGE AREA.--33,300 mi^2 (86,200 km^2), approximately, of which about 25,800 mi^2 (66,800 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--February 1941 to current year.

GAGE.--Electric tape gage read once daily. Gage is referred to mean sea level.

EXTREMES.--Current year: Maximum contents observed, 1,690,000 acre-ft (2.08 km^3) June 9-11, June 29 to July 2, elevation, 3,261.6 ft (994.14 m); minimum observed, 1,288,000 acre-ft (1.59 km^3) Oct. 1,2, elevation, 3,246.6 ft (989.56 m).

Period of record: Maximum contents observed, 1,920,000 acre-ft (2.37 km^3) July 12-16, 1971, elevation, 3,269.1 ft (996.42 m); minimum observed since operation of reservoir began, 32,860 acre-ft (40.5 hm^3) Sept. 29, 1941, elevation, 3,153.4 ft (961.16 m).

REMARKS.--Reservoir is formed by earthfill dam; storage began Feb. 9, 1941. Capacity, 1,948,000 acre-ft (2.40 km^3) between elevations 3,130.0 ft (954.02 m), sill of outlet gates, and 3,270.0 ft (996.70 m), top of morning-glory spillway gates. Elevation of crest of morning-glory spillway is 3,254.0 ft (991.82 m). Dead storage negligible. Figures given herein represent total contents. Water is used for power development and irrigation in South-Central Nebraska by the Central Nebraska Public Power and Irrigation District.

COOPERATION.--Records of elevations and capacity table furnished by the Central Nebraska Public Power and Irrigation District.

MONTHEND ELEVATION AND CONTENTS AT 0800, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents	Change in contents (acre-feet)
Sept. 30	3,246.6	1,288,000	-
Oct. 31	3,249.6	1,362,000	+74,000
Nov. 30	3,252.2	1,429,000	+67,000
Dec. 31	3,252.9	1,448,000	+19,000
CAL YR 1974	-	-	-150,000
Jan. 31	3,254.2	1,482,000	+34,000
Feb. 28	3,255.2	1,509,000	+27,000
Mar. 31	3,257.9	1,584,000	+75,000
Apr. 30	3,260.0	1,644,000	+60,000
May 31	3,261.1	1,676,000	+32,000
June 30	3,261.6	1,690,000	+14,000
July 31	3,255.9	1,528,000	-162,000
Aug. 31	3,250.0	1,372,000	-156,000
Sept. 30	3,247.5	1,310,000	-62,000
WTR YR 1975	-	-	+22,000

06690500 North Platte River near Keystone, Nebr.

LOCATION.--Lat 41°12'30", long 101°37'50", in SW1/4 sec.1, T.14 N., R.38 W., Keith County, on right bank 0.2 mi (0.3 km) downstream from diversion dam of Sutherland Reservoir supply canal and 2.5 mi (4.0 km) southwest of Keystone.

DRAINAGE AREA.--33,300 mi² (86,200 km²), approximately, of which about 25,800 mi² (66,800 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--June to August 1917, July to September 1939, May to September 1940, January to April 1941, March 1942 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 3,105.59 ft (946.584 m) above mean sea level, (Nebraska Public Power District bench mark). See WSP 1918 for history of changes prior to May 1, 1964.

EXTREMES.--Current year: Maximum discharge, 3,050 ft³/s (86.4 m³/s) July 30, gage height, 5.84 ft (1.780 m); no flow for many days.

Period of record: Maximum discharge, 20,300 ft³/s (575 m³/s) June 30, 1917, from graph based on daily gage readings; no flow for many days in 1975.

REMARKS.--Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Flow completely regulated by Lake McConaughy since Feb. 9, 1941 (see preceding page). Supply canal for Nebraska Public Power District diverts 0.2 mi (0.3 km) upstream from station. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1390: 1942, 1946-47. WSP 1630: 1958. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105					0	0	0	242	951	1890	1410
2	104					0	0	0	242	1590	1870	1430
3	98					0	0	0	242	2010	1890	1430
4	103					0	0	0	238	2290	1890	1030
5	101					0	0	33	231	2290	1790	851
6	100					0	0	209	242	2180	1580	1180
7	99					0	0	275	242	2070	1840	1170
8	98					0	0	279	242	2050	1530	1160
9	96					0	0	296	238	2250	1840	994
10	67					0	0	318	242	2140	1840	573
11	15					0	0	318	245	1870	1840	620
12	6.0					0	0	318	249	1870	1840	444
13	0					0	0	318	293	1860	1840	216
14	0					0	0	217	581	1840	1800	182
15	0					0	0	140	795	1840	1790	115
16	0					5.0	0	140	890	1920	1800	68
17	0					9.0	0	145	741	2200	1790	86
18	0					17	0	153	540	2180	1660	83
19	0					9.0	0	143	322	2230	1430	108
20	0					5.0	0	183	185	2270	1410	127
21	0					0	0	224	186	2250	1400	128
22	0					0	0	271	182	2230	1400	126
23	0					17	0	287	180	2200	1400	129
24	0					17	0	279	178	2140	1410	129
25	0					0	0	279	177	2160	1410	128
26	0					0	0	287	192	2200	1410	117
27	0					0	5.0	287	170	2140	1400	123
28	0					0	117	291	170	2180	1430	126
29	0				---	0	32	275	170	2370	1410	124
30	0				---	0	0	242	420	2470	1410	124
31	0	---			---	0	---	242	---	2200	1410	---
TOTAL	992.0	0	0	0	0	79.0	154.0	6449	9267	64441	50250	14531
MEAN	32.0	0	0	0	0	2.55	5.13	208	309	2079	1621	484
MAX	105	0	0	0	0	17	117	318	890	2470	1890	1430
MIN	0	0	0	0	0	0	0	0	170	951	1400	68
AC-FT	1970	0	0	0	0	157	305	12790	18380	127800	99670	28820

CAL YR 1974 TOTAL 367741.0 MEAN 1008 MAX 3770 MIN 0 AC-FT 729400
WTR YR 1975 TOTAL 146163.0 MEAN 400 MAX 2470 MIN 0 AC-FT 289900

06691000 North Platte River near Sutherland, Nebr.

LOCATION.--Lat 41°12'37", long 101°06'53", in sec.4, T.14 N., R.33 W., Lincoln County, on left bank 80 ft (24 m) downstream from bridge on county road, 2.5 mi (4.0 km) upstream from Birdwood Creek, and 3.5 mi (5.6 km) north of Sutherland.

DRAINAGE AREA.--33,800 mi² (87,500 km²), approximately, of which about 26,120 mi² (67,700 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--June to October 1917, July 1931 to August 1933 (irrigation seasons only), May to September 1935, May 1936 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Altitude of gage is 2,920 ft (890 m), from topographic map. Prior to Apr. 29, 1936, nonrecording gage near present site at different datums. Apr. 29, 1936, to Oct. 6, 1971, water-stage recorder at site 80 ft (24 m) upstream at present datum.

EXTREMES.--Current year: Maximum discharge, 2,390 ft³/s (67.7 m³/s) July 31, gage height, 3.61 ft (1.100 m); minimum daily, 48 ft³/s (1.36 m³/s) Sept. 30.

Period of record: Maximum discharge, 20,300 ft³/s (575 m³/s) June 29, 1917, from discharge graph based on daily gage readings, from rating curve extended above 16,000 ft³/s (453 m³/s); no flow July 24-28, 30, 31, 1931, Aug. 7, 1934, July 20-28, 1940.

REMARKS.--Records good except those above 1,000 ft³/s (28.3 m³/s) and those for winter period, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 976: 1942. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	144	140	120	158	133	204	68	156	286	2140	1120
2	107	142	135	120	164	137	198	61	145	734	1720	1130
3	168	139	135	110	158	137	177	57	123	1170	1640	1130
4	172	139	136	125	153	134	178	52	112	1480	1590	1140
5	183	136	133	140	120	139	180	49	92	1650	1550	721
6	181	133	139	156	90	139	174	49	84	1730	1460	597
7	180	136	135	156	110	135	177	74	81	1720	1300	787
8	182	136	137	144	105	134	185	141	143	1660	1140	801
9	186	136	130	144	110	126	168	171	216	1730	1150	866
10	201	136	132	122	125	134	156	204	193	1920	1310	773
11	202	136	128	92	153	136	152	235	171	1860	1330	615
12	172	136	131	88	153	136	148	258	160	1540	1330	646
13	164	136	135	116	153	140	142	348	149	1530	1340	531
14	154	133	139	130	145	140	141	318	149	1530	1410	453
15	146	136	146	135	136	138	131	221	287	1500	1410	360
16	143	136	158	165	155	136	116	123	464	1430	1440	201
17	142	139	155	170	140	141	110	83	553	1440	1440	141
18	140	139	147	155	135	141	87	71	600	1640	1420	123
19	139	139	137	146	139	140	81	70	487	1640	1310	108
20	139	133	122	139	144	143	75	65	299	1670	1130	94
21	142	133	136	142	139	146	75	64	203	1710	1080	85
22	142	133	137	136	133	147	76	69	185	1700	1030	78
23	142	133	134	144	132	147	79	119	150	1700	1000	72
24	142	133	125	144	138	136	80	137	125	1690	982	63
25	147	136	105	147	136	142	80	129	113	1670	971	59
26	147	135	125	148	133	139	79	125	104	1660	979	53
27	144	135	140	152	133	140	79	129	97	1680	973	52
28	144	140	140	150	132	115	73	144	88	1630	978	50
29	147	140	145	138	---	140	110	216	84	1610	989	49
30	150	140	140	155	---	170	85	232	77	1730	1090	48
31	156	---	125	158	---	239	---	176	---	2280	1120	---
TOTAL	4759	4098	4202	4287	3822	4400	3796	4258	5890	48920	39752	12946
MEAN	154	137	136	138	137	142	127	137	196	1578	1282	432
MAX	202	144	158	170	164	239	204	348	600	2280	2140	1140
MIN	55	133	105	88	90	115	73	49	77	286	971	48
AC-FT	9440	8130	8330	8500	7580	8730	7530	8450	11680	97030	78850	25680

CAL YR 1974 TOTAL 357870 MEAN 980 MAX 3820 MIN 43 AC-FT 709800
WTR YR 1975 TOTAL 141130 MEAN 387 MAX 2280 MIN 48 AC-FT 279900

06692000 Birdwood Creek near Hershey, Nebr.

LOCATION.--Lat 41°13'20", long 101°04'12", in NE1/4NW1/4 sec.2, T.14 N., R.33 W., Lincoln County, on left bank 60 ft (18 m) downstream from bridge on county road, 1 mi (2 km) upstream from mouth, and 5 mi (8 km) northwest of Hershey.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately, of which about 80 mi² (210 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--May 1931 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 2,920 ft (890 m), from topographic map. Jan. 1, 1931, to Dec. 16, 1934, nonrecording gage and Dec. 17, 1934, to Nov. 4, 1953, water-stage recorder, at site 50 ft (15 m) upstream at present datum.

AVERAGE DISCHARGE.--44 years, 153 ft³/s (4.333 m³/s), 110,800 acre-ft/yr (0.137 km³/yr).

EXTREMES.--Current year: Maximum discharge, 449 ft³/s (12.7 m³/s) July 31, gage height, 2.18 ft (0.664 m); maximum gage height, 4.69 ft (1.430 m) Feb. 9, backwater from ice; minimum daily discharge, 103 ft³/s (2.92 m³/s) July 28.

Period of record: Maximum discharge, 1,770 ft³/s (50.1 m³/s) Apr. 1, 1949, gage height, 4.35 ft (1.326 m), from rating curve extended above 680 ft³/s (19.3 m³/s); maximum gage height, 5.12 ft (1.561 m) Dec. 15, 1940, backwater from ice; minimum daily discharge, 61 ft³/s (1.73 m³/s) Jan. 19, 1935, Apr. 7, 1938.

REMARKS.--Records good. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1390: 1948(M), 1949, 1951-52(M). WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	171	150	154	158	162	146	149	133	149	173	108
2	129	169	162	156	156	158	142	153	133	141	151	107
3	131	171	169	153	160	156	156	142	131	136	148	109
4	132	173	169	153	158	160	171	142	139	133	144	114
5	129	169	173	156	142	173	175	146	129	129	146	119
6	129	164	177	156	132	169	182	153	125	131	132	117
7	120	162	171	158	180	160	177	151	128	136	124	115
8	144	158	171	153	173	162	185	148	151	129	115	114
9	146	151	171	154	170	158	160	144	142	160	115	115
10	146	149	175	141	170	158	164	149	131	169	115	117
11	149	149	175	150	171	164	164	144	131	138	114	123
12	148	144	177	145	173	158	164	144	129	136	114	120
13	151	160	167	140	169	160	167	185	131	136	118	119
14	149	167	160	150	166	162	167	153	132	136	117	119
15	148	171	146	160	160	166	164	139	132	132	117	120
16	149	177	149	175	158	166	167	136	131	126	120	118
17	151	171	167	149	169	171	169	135	131	126	120	118
18	151	171	167	162	162	169	167	148	149	121	117	115
19	151	169	169	158	160	162	158	154	136	115	110	114
20	151	167	164	171	162	166	158	142	135	114	124	114
21	153	171	162	175	162	166	162	139	154	111	113	115
22	153	173	169	167	154	162	164	148	169	110	114	115
23	153	162	167	169	158	173	169	180	158	115	112	115
24	158	149	160	169	156	149	171	138	158	110	109	115
25	164	160	170	167	160	154	153	133	158	107	105	117
26	162	171	175	167	149	158	138	129	169	105	105	118
27	169	154	162	162	160	175	138	129	154	105	106	118
28	171	160	160	160	164	150	141	138	151	103	108	119
29	171	149	156	160	---	145	148	182	151	104	110	119
30	173	140	149	158	---	149	146	138	153	111	107	120
31	177	---	154	156	---	148	---	132	---	328	107	---
TOTAL	4639	4872	5113	4904	4512	4989	4833	4543	4254	4102	3730	3486
MEAN	150	162	165	158	161	161	161	147	142	132	120	116
MAX	177	177	177	175	180	175	185	185	169	328	173	123
MIN	120	140	146	140	132	145	138	129	125	103	105	107
AC-FT	9200	9660	10140	9730	8950	9900	9590	9010	8440	8140	7400	6910

CAL YR 1974 TOTAL 54599 MEAN 150 MAX 282 MIN 90 AC-FT 108300
WTR YR 1975 TOTAL 53977 MEAN 148 MAX 328 MIN 103 AC-FT 107100

06692500 Lincoln County drain No. 1 near North Platte, Nebr.

LOCATION.--Lat 41°09'40", long 100°47'25", in NE1/4NE1/4 sec.30, T.14 N., R.30 W., Lincoln County, on left bank 25 ft (8 m) upstream from highway bridge, 0.8 mi (1.3 km) upstream from mouth, and 1.5 mi (2.4 km) northwest of city of North Platte.

PERIOD OF RECORD.--March 1931 to September 1932 (published as Lincoln County drain at North Platte), April 1955 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 2,805 ft (855.0 m), from topographic map. Prior to Apr. 29, 1955, nonrecording gage at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--21 years, 63.3 ft³/s (1.793 m³/s), 45,860 acre-ft/yr (56.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 188 ft³/s (5.32 m³/s) July 31, gage height, 2.02 ft (0.616 m); maximum gage height, 2.06 ft (0.628 m) Feb. 6, backwater from ice; minimum daily discharge, 22 ft³/s (0.62 m³/s) Feb. 6,9, Mar. 15-21,23,24,26, April 1-17.
Period of record: Maximum discharge, 588 ft³/s (16.7 m³/s) June 22, 1965, gage height, 4.05 ft (1.234 m); minimum daily, 20 ft³/s (0.57 m³/s) Dec. 30, 31, 1968, Feb. 6, 7, 9, Mar. 18, 19, 1971.

REMARKS.--Records good. Discharge is chiefly return flow from irrigated area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	46	35	30	24	23	22	40	89	82	149	116
2	121	45	35	30	24	23	22	37	90	88	150	109
3	78	44	35	29	26	23	22	30	89	80	146	119
4	72	43	35	30	26	23	22	44	87	69	142	136
5	70	42	35	30	25	23	22	42	88	61	128	140
6	68	42	34	30	22	23	22	31	86	50	118	126
7	66	41	34	30	24	23	22	45	83	56	113	142
8	65	41	33	29	24	23	22	59	123	56	105	152
9	64	41	34	29	22	22	22	68	88	64	100	134
10	63	40	33	28	23	23	22	65	95	63	102	137
11	61	40	33	25	24	23	22	68	94	70	121	128
12	60	39	33	25	24	23	22	71	89	73	105	127
13	59	39	32	26	24	23	22	86	87	79	100	127
14	57	38	32	27	24	23	22	80	85	82	109	98
15	57	38	32	27	23	22	22	69	87	82	112	94
16	56	38	32	26	24	22	22	62	89	78	120	130
17	55	38	32	26	24	22	22	67	87	73	126	127
18	54	38	32	27	24	22	34	66	93	80	137	124
19	54	38	32	26	24	22	48	69	94	78	135	120
20	54	38	32	26	24	22	44	66	76	80	140	129
21	55	37	32	26	24	22	44	67	96	85	134	130
22	54	37	31	25	23	23	41	74	100	81	121	126
23	52	37	31	25	23	22	40	72	98	79	101	115
24	53	36	30	25	24	22	38	72	92	82	104	116
25	55	36	30	25	23	23	34	80	87	82	112	117
26	52	36	31	25	23	22	34	87	93	83	114	119
27	50	36	31	25	23	25	32	90	93	92	109	119
28	49	35	30	24	23	24	37	95	92	98	104	121
29	49	35	30	24	---	25	44	111	88	96	120	124
30	48	35	30	25	---	24	45	89	83	100	124	127
31	47	---	30	25	---	23	---	80	---	166	121	---
TOTAL	1922	1169	1001	830	665	708	889	2082	2721	2484	3723	3724
MEAN	62.0	39.0	32.3	26.8	23.8	22.8	29.6	67.2	90.7	80.1	120	124
MAX	124	46	35	30	26	25	48	111	123	166	150	152
MIN	47	35	30	24	22	22	22	30	76	50	100	94
AC-FT	3810	2320	1990	1650	1320	1400	1760	4130	5400	4930	7380	7400

CAL YR 1974 TOTAL 24602 MEAN 67.4 MAX 208 MIN 28 AC-FT 48800
WTR YR 1975 TOTAL 21923 MEAN 60.1 MAX 166 MIN 22 AC-FT 43480

06693000 North Platte River at North Platte, Nebr.

LOCATION.--Lat 41°09'13", long 100°45'16", in sec.28, T.14 N., R.30 W., Lincoln County, on right bank 150 ft (46 m) downstream from bridge on U.S. Highway 83, 0.5 mi (0.8 km) north of city of North Platte, and 4.5 mi (7.2 km) upstream from confluence with South Platte River.

DRAINAGE AREA.--34,900 mi² (90,400 km²), approximately, of which about 26,300 mi² (68,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--February 1895 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,792.14 ft (851.044 m) above mean sea level (Nebraska Department of Roads bench mark). See WSP 2118 for history of changes prior to June 3, 1969.

EXTREMES.--Current year: Maximum discharge, 3,000 ft³/s (85.0 m³/s) Aug. 1, gage height, 4.94 ft (1.506 m); minimum daily, 189 ft³/s (5.35 m³/s) May 7.

Period of record: Maximum discharge observed, 29,600 ft³/s (838 m³/s) June 11, 1909, discharge measurement; minimum daily, 20 ft³/s (0.57 m³/s) Sept. 20, 1904.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WRD Nebr. 1967: Drainage area. WSP 2118: 1915(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	382	300	330	350	359	465	285	417	265	2900	1240
2	309	370	300	340	400	363	442	235	390	458	2300	1250
3	331	363	350	350	450	369	408	219	360	856	1940	1250
4	361	360	420	350	440	370	424	218	345	1250	1850	1250
5	378	357	400	360	370	381	435	204	340	1630	1820	1240
6	382	353	370	360	300	370	435	195	312	1790	1770	920
7	398	348	355	370	270	355	435	189	284	1860	1570	1000
8	404	351	350	380	260	355	483	233	434	1770	1310	1040
9	419	354	350	360	300	365	441	281	526	1790	1170	1060
10	426	357	365	310	370	408	409	344	527	1970	1290	1080
11	434	351	365	300	390	408	399	379	491	2030	1420	932
12	427	352	355	320	390	391	390	424	467	1800	1430	872
13	404	350	360	330	380	370	365	566	458	1690	1420	861
14	389	366	360	340	360	360	355	612	408	1710	1480	693
15	374	361	360	350	340	365	365	491	441	1620	1560	638
16	364	360	365	360	340	365	360	387	608	1550	1600	544
17	366	360	365	370	350	375	364	297	820	1870	1620	451
18	360	366	380	380	380	386	378	274	919	1620	1640	402
19	359	360	390	370	380	386	364	269	1010	1700	1580	391
20	355	354	355	350	400	350	323	249	731	1690	1370	365
21	347	353	365	350	400	365	322	250	617	1790	1270	370
22	349	356	365	380	380	386	338	267	537	1800	1210	365
23	362	355	370	413	360	386	305	284	476	1770	1170	350
24	369	356	370	424	390	365	341	338	422	1730	1140	331
25	378	351	350	419	420	365	320	338	378	1700	1130	326
26	374	350	330	365	380	365	298	346	372	1670	1120	331
27	366	348	300	312	345	408	283	352	352	1710	1120	331
28	362	350	300	317	344	320	292	379	323	1710	1100	326
29	370	350	310	300	---	350	305	486	318	1640	1140	331
30	381	340	320	300	---	400	310	545	289	1780	1180	321
31	394	---	320	350	---	490	---	467	---	2390	1230	---
TOTAL	11603	10688	10915	10910	10239	11651	11198	10403	14377	50159	45850	20861
MEAN	374	356	352	352	366	376	373	336	479	1618	1479	695
MAX	434	382	420	424	450	490	483	612	1010	2390	2900	1250
MIN	308	340	300	300	260	320	283	189	284	265	1100	321
AC-FT	23010	21190	21650	21640	20310	23110	22200	20630	28520	99490	90940	41380

CAL YR 1974 TOTAL 460784 MEAN 1262 MAX 4230 MIN 273 AC-FT 913900
WTR YR 1975 TOTAL 218846 MEAN 600 MAX 2900 MIN 189 AC-FT 434100

06762500 Lodgepole Creek at Bushnell, Nebr.

LOCATION.--Lat 41°13'43", long 103°48'03", in sec.33, T.15 N., R.57 W., Kimball County, on right bank 1.5 mi (2.4 km) east of Bushnell and 1.5 mi (2.4 km) upstream from Oliver Reservoir.

DRAINAGE AREA.--1,361 mi^2 (3,525 km^2).

PERIOD OF RECORD.--October 1931 to current year. Records for March to September 1931 at site 1.5 mi (2.4 km) upstream not equivalent owing to diversions. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 4,812.3 ft (1,466.79 m) above mean sea level. Prior to Mar. 26, 1938, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--44 years, 11.7 ft^3/s (0.331 m^3/s), 8,480 acre-ft/yr (10.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 210 ft^3/s (5.95 m^3/s), probably occurred Aug. 16 or 17, gage height 4.28 ft (1.305 m) from highwater mark in well; minimum daily, 1.1 ft^3/s (0.031 m^3/s) Aug. 6.

Period of record: Maximum discharge, 16,500 ft^3/s (467 m^3/s) Sept. 15, 1950, gage height, 9.98 ft (3.042 m), from rating curve extended above 2,700 ft^3/s (76.5 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 1.1 ft^3/s (0.031 m^3/s) Aug. 6, 1975.

REMARKS.--Records good. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas. Diversions for irrigation of about 12,600 acres (51.0 km^2) above station.

REVISIONS (WATER YEARS).--WSP 1390: 1933, 1935, 1937-38, 1941, 1948-49. WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	6.1	5.1	5.0	5.3	6.2	2.6	8.2	8.5	3.0	1.5	2.3
2	4.8	6.2	5.0	5.0	5.4	6.8	3.5	8.0	8.0	3.0	1.7	2.3
3	4.7	6.4	5.1	5.0	5.6	7.1	4.0	7.9	7.7	3.0	1.5	2.4
4	4.7	6.4	5.1	5.0	5.6	7.2	5.9	7.7	7.2	2.6	1.5	2.3
5	4.8	6.3	5.2	5.2	5.4	7.4	8.1	7.5	6.6	2.5	1.4	2.4
6	4.8	6.3	5.3	5.2	5.3	7.9	17	7.5	6.3	2.4	1.1	2.5
7	4.8	6.4	5.1	5.5	5.4	7.7	13	7.4	6.3	2.3	1.4	2.4
8	4.8	6.4	4.9	5.5	5.5	7.3	9.2	7.2	6.2	2.4	1.3	2.4
9	4.9	6.4	5.2	5.5	5.5	7.7	11	7.2	5.9	2.4	1.2	2.5
10	5.0	6.5	5.1	5.5	5.7	7.3	11	7.2	5.6	2.7	1.3	2.6
11	5.2	6.4	5.0	5.3	5.7	7.8	11	7.0	5.5	2.8	1.3	2.6
12	5.4	6.4	5.0	5.0	5.9	7.5	11	7.4	5.0	2.1	1.3	2.7
13	5.6	6.4	4.9	5.1	6.2	7.7	11	8.1	4.8	1.9	1.3	2.7
14	5.5	6.3	5.0	5.3	6.3	7.8	11	7.8	4.6	2.1	1.5	2.6
15	5.6	6.3	4.9	5.7	6.1	8.1	11	7.4	4.6	1.9	5.0	2.5
16	5.5	6.3	4.9	5.8	6.2	7.9	11	7.1	4.6	2.1	10	2.5
17	5.5	6.3	5.1	6.0	6.3	7.8	12	7.1	4.6	1.8	15	2.7
18	5.5	6.2	5.1	6.0	6.1	7.3	12	7.1	5.0	1.4	10	2.8
19	5.6	6.1	5.0	5.8	6.2	7.0	12	6.9	5.0	1.4	8.0	2.9
20	5.6	6.0	4.8	5.9	6.2	6.9	12	6.6	5.0	1.3	6.0	2.9
21	5.5	5.9	5.2	5.8	5.5	6.6	11	6.8	4.5	1.4	5.0	3.1
22	5.6	5.8	4.6	5.5	5.9	6.4	10	6.9	4.5	1.5	4.0	3.1
23	5.6	5.8	4.6	5.9	6.0	6.0	9.7	7.7	4.5	1.7	3.0	3.1
24	5.7	5.7	5.1	5.9	6.2	5.6	9.3	7.4	4.5	1.7	3.0	3.1
25	5.7	5.6	4.8	5.8	6.2	5.5	9.0	7.0	4.0	1.8	3.0	3.1
26	5.8	5.5	4.9	5.7	6.1	5.3	8.9	6.7	4.0	2.0	2.5	3.2
27	5.8	5.3	4.9	5.6	6.1	5.0	8.6	6.4	4.0	1.8	2.5	3.2
28	5.9	5.3	5.2	5.3	6.1	4.0	8.6	7.9	4.0	1.6	2.5	3.2
29	5.9	4.9	5.1	5.3	---	3.5	8.4	13	3.5	1.6	2.3	3.2
30	6.1	5.1	5.0	5.3	---	3.0	8.4	12	3.0	1.6	2.3	3.2
31	6.2	---	4.9	5.3	---	2.3	---	9.8	---	1.5	2.2	---
TOTAL	166.9	181.0	155.1	169.7	164.0	201.6	291.2	239.9	157.5	63.3	105.6	82.5
MEAN	5.38	6.03	5.00	5.47	5.86	6.50	9.71	7.74	5.25	2.04	3.41	2.75
MAX	6.2	6.5	5.3	6.0	6.3	8.1	17	13	8.5	3.0	15	3.2
MIN	4.7	4.9	4.6	5.0	5.3	2.3	2.6	6.4	3.0	1.3	1.1	2.3
AC-FT	331	359	308	337	325	400	578	476	312	126	209	164

CAL YR 1974 TOTAL 2149.0 MEAN 5.89 MAX 9.9 MIN 3.3 AC-FT 4260
WTR YR 1975 TOTAL 1978.3 MEAN 5.42 MAX 17 MIN 1.1 AC-FT 3920

06763500 Lodgepole Creek at Ralton, Nebr.

LOCATION.--Lat 41°02'00", long 102°24'00", in NE1/4NW1/4 sec.12, T.12 N., R.45 W., Deuel County, on right bank 20 ft (6 m) downstream from county road bridge at Ralton, 2.1 mi (3.4 km) north of Colorado-Nebraska State line, and 5.5 mi (8.8 km) southeast of Chappell.

DRAINAGE AREA.--3,307 mi^2 (8,565 km^2).

PERIOD OF RECORD.--March to September 1931, June 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,590 ft (1,094 m), from topographic map. March to September 1931, nonrecording gage at site 0.2 mi (0.3 km) downstream at different datum.

AVERAGE DISCHARGE.--24 years (1951-75), 9.70 ft^3/s (0.275 m^3/s), 7,030 acre-ft/yr (8.67 hm^3/yr).

EXTREMES.--Current year: Maximum recorded discharge, 26 ft^3/s (0.74 m^3/s) Apr. 7, gage height, 2.04 ft (0.622 m), but may have been higher during period of no gage-height record on May 28; no flow for many days.

Period of record: Maximum discharge, 4,560 ft^3/s (129 m^3/s) Aug. 15, 1968, gage height, 6.49 ft (1.978 m), from rating curve extended above 1,200 ft^3/s (34.0 m^3/s) on basis of slope-area measurement of peak flow; no flow at times in 1931, 1955, 1957, 1960, 1963-65, 1968, 1973-75.

REMARKS.--Records fair. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas. Diversion for irrigation of about 24,300 acres (98.3 km^2) above station.

REVISIONS.--WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	.84			
2							0	0	.60			
3							0	0	.45			
4							0	0	.35			
5							0	0	.22			
6							0	0	.09			
7							5.7	0	.02			
8							.02	0	.01			
9							0	0	.01			
10							0	0	0			
11							0	0	0			
12							.01	0	0			
13							0	.02	0			
14							0	0	0			
15							0	0	0			
16							0	0	0			
17							0	0	0			
18							0	0	.11			
19							0	0	.01			
20							0	0	0			
21							0	0	0			
22							0	0	0			
23							0	0	0			
24							0	0	0			
25							0	0	0			
26							0	0	0			
27							0	0	0			
28							0	8.0	0			
29					---		0	8.3	0			
30					---		0	3.5	0			
31		---			---		---	1.2	---			---
TOTAL	0	0	0	0	0	0	5.73	21.02	2.71	0	0	0
MEAN	0	0	0	0	0	0	.19	.68	.090	0	0	0
MAX	0	0	0	0	0	0	5.7	8.3	.84	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	11	42	5.4	0	0	0

CAL YR 1974 TOTAL 448.14 MEAN 1.23 MAX 9.5 MIN 0 AC-FT 889
WTR YR 1975 TOTAL 29.46 MEAN .08 MAX 8.3 MIN 0 AC-FT 58

06764000 South Platte River at Julesburg, Colo.

LOCATION.--Lat 40°58'46", long102°15'15", in NW1/4NE1/4 and SE1/4NE 1/4 (two channels) sec.33, T.12 N., R.48 W., Sedgwick County, on left bank of channel no. 4 (left channel) 215 ft (66 m) downstream from bridge, and on right bank of channel no. 2, 800 ft (244 m) downstream from bridge on U.S. Highway 385, 0.9 mi (1.4 km) southeast of Julesburg, 3.0 mi (4.8 km) upstream from Colorado-Nebraska State line, and 8 mi (13 km) downstream from Lodgepole Creek.

DRANIAGE AREA.--23,138 mi^2 (59,927 km^2).

PERIOD OF RECORD.--April 1902 to current year. Monthly discharge only for some periods, published in WSP 1310. Published as "near Julesburg" 1903-8, 1915-16, and as "at Ovid" 1922-24.

GAGE.--Two water-stage recorders. Datum of gages is 3,446.76 ft (1,050.572 m) above mean sea level. See WSP 1710 or 1730 for history of changes prior to Oct. 1, 1956. Since Oct. 1, 1956, water-stage recorders on channels nos. 2 and 4. Channel no. 2: Oct. 1, 1956, to Sept. 22, 1965, at site 300 ft (90 m) downstream at present datum. Channel no. 4: Oct. 1, 1956, to Dec. 10 1958, at site 135 ft (41.1 m) downstream at present datum. Since May 11, 1973, supplementary water-stage recorder on channel no. 2 at bridge 800 ft (240 m) upstream at same datum.

AVERAGE DISCHARGE.--73 years, 486 ft^3/s (13.76 m^3/s), 352,100 acre-ft/yr (0.434 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,510 ft^3/s (71.1m^3/s)June 23; gage height , 5.23 ft (1.594 m): minimum daily, 34 ft (10.4 m)^3/s July 27, Sept. 1.
Period of record: Maximum discharge, 37,600 ft (11,460 m)^3/s June 20, 1965; gage height, 10.44 ft (3.182 m), from floodmarks in gage well; no flow Aug. 18-20, 1902, July 25 to Aug 7, 1903.

REMARKS.--Records fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, groundwater withdrawals and diversions for irrigation of 1,200,000 acres (4,860 km^2) above station, and return flow from irrigated areas. Water quality records for the water year 1975 are published in Part 2 of WRD Colo. 1975.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1310: 1902, 1906-7, 1948(P). WSP 1440: 1903-4. WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FFET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	91	230	510	475	390	600	122	1280	349	75	34
2	159	90	240	475	510	365	700	108	2020	223	58	36
3	157	91	222	475	690	354	850	86	2040	161	48	44
4	174	91	272	495	815	349	880	67	1600	94	45	44
5	182	91	341	495	550	332	846	61	1230	84	44	45
6	188	91	406	490	365	314	842	57	1020	78	44	43
7	186	91	363	530	330	298	829	57	844	68	39	43
8	185	91	320	535	320	278	752	54	746	62	40	48
9	181	92	301	460	345	230	671	52	664	54	43	58
10	174	92	309	400	390	252	635	50	553	65	41	63
11	168	91	315	400	435	249	636	49	459	63	41	67
12	160	92	310	385	500	184	630	59	500	65	39	75
13	160	88	300	355	705	171	607	138	768	68	56	98
14	154	84	297	355	855	173	628	134	1230	65	106	139
15	153	86	295	350	675	169	604	116	1570	79	77	176
16	132	86	289	365	785	158	588	110	1480	77	79	193
17	118	87	323	395	765	132	586	102	1340	52	105	211
18	110	87	351	475	735	130	548	100	1670	47	295	242
19	101	86	360	560	700	119	472	199	1750	46	338	256
20	97	92	342	565	690	119	442	196	1840	43	204	263
21	95	162	324	530	590	119	428	208	1890	43	134	243
22	94	202	322	495	510	121	316	198	2020	45	85	227
23	97	216	305	410	485	121	276	279	2360	45	57	199
24	97	217	300	370	525	144	288	322	2340	42	45	184
25	94	228	271	460	505	158	257	377	2180	42	42	165
26	90	235	255	570	500	235	180	358	1860	39	41	146
27	93	235	235	580	490	390	149	334	1500	34	39	141
28	94	234	245	555	532	350	159	329	1100	37	38	155
29	95	235	350	540	---	300	152	666	781	39	37	160
30	97	229	435	520	---	400	136	1110	527	50	37	176
31	95	---	490	470	---	500	---	1220	---	147	36	---
TOTAL	4151	3983	9718	14570	15772	7604	15687	7318	41162	2406	2408	3974
MEAN	134	133	313	470	563	245	523	236	1372	77.6	77.7	132
MAX	188	235	490	580	855	500	880	1220	2360	349	338	263
MIN	90	84	222	350	320	119	136	49	459	34	36	34
AC-FT	8230	7900	19280	28900	31280	15080	31120	14520	81640	4770	4780	7880

CAL YR 1974 TOTAL 170821 MEAN 468 MAX 2000 MIN 22 AC-FT 338800
WTR YR 1975 TOTAL 128753 MEAN 353 MAX 2360 MIN 34 AC-FT 255400

06765500 South Platte River at North Platte, Nebr.

LOCATION.--Lat 41°07'05", long 100°46'22", in NE1/4NE1/4 sec.8, T.13 N., R.30 W., Lincoln County, on left bank 0.5 mi (0.8 km) upstream from bridge on U.S. Highway 83, 0.7 mi (1.1 km) northwest of intersection of U.S. Highway 83 and Interstate 80 south of North Platte, and 5.5 mi (8.8 km) upstream from confluence with North Platte River.

DRAINAGE AREA.--24,300 mi^2 (62,900 km^2), approximately.

PERIOD OF RECORD.--June to November 1897, June to August 1914, May to September 1915, and May 1917 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,787.73 ft (849.700 m) above mean sea level. See WSP 1918 for history of changes prior to Dec. 11, 1956. Dec. 11, 1956 , to Mar. 29, 1973, at site 0.5 mi (0.8 km) downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 1,940 ft^3/s (54.9 m^3/s) June 26, gage height, 7.98 ft (2.432 m); minimum daily, 100 ft^3/s (2.83 m^3/s) Nov. 20, 29, Jan. 11, 27.
Period of record: Maximum discharge observed, 37,100 ft^3/s (1,050 m^3/s) June 3, 1935, gage height, 14.02 ft (4.273 m), present datum; no flow at times in summers of most years prior to 1938.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. South Platte canal diverts around station; diversion began Nov. 13, 1946.

REVISIONS (WATER YEARS).--WSP 1390: 1932-33, 1935.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	130	135	140	170	145	211	136	247	651	234	132
2	157	130	135	140	196	145	213	173	325	369	264	128
3	148	123	135	140	154	155	173	171	432	323	250	128
4	145	129	145	140	145	165	193	173	653	293	244	124
5	145	130	150	140	140	155	210	168	889	263	208	128
6	145	133	140	145	140	146	304	144	751	246	190	136
7	144	137	140	145	135	161	308	150	564	231	165	145
8	154	136	165	145	135	154	237	168	502	228	160	150
9	139	138	155	132	130	150	198	170	364	242	150	183
10	124	132	132	120	150	150	194	219	316	273	150	175
11	129	136	136	100	160	155	179	215	287	242	150	185
12	129	137	124	120	165	160	199	229	264	230	150	202
13	135	134	143	140	170	170	195	281	256	217	155	202
14	128	130	190	160	170	175	185	250	254	208	160	203
15	132	131	200	165	165	150	167	229	240	199	180	190
16	130	131	220	165	160	140	163	236	257	181	185	180
17	131	138	200	165	160	140	160	235	500	163	175	196
18	141	124	146	170	165	151	156	211	899	154	165	189
19	150	119	133	165	165	162	144	201	982	151	150	185
20	147	100	128	160	170	161	139	193	1060	156	150	185
21	150	110	132	155	160	159	134	188	1200	150	153	200
22	156	113	132	175	150	168	134	198	1380	156	140	222
23	153	104	130	145	140	157	140	202	1550	158	134	238
24	147	126	130	116	135	124	143	201	1550	174	130	246
25	145	129	130	120	155	145	142	180	1790	167	127	262
26	145	119	130	124	160	155	153	184	1900	163	124	235
27	147	117	135	100	160	155	153	201	1840	140	124	213
28	149	121	135	125	150	160	124	226	1630	133	124	195
29	145	100	140	130	---	165	119	255	1330	143	125	185
30	156	110	140	150	---	170	127	230	989	142	128	170
31	136	---	140	160	---	179	---	224	---	202	129	---
TOTAL	4438	3747	4526	4397	4355	4827	5297	6241	25201	6748	5073	5512
MEAN	143	125	146	142	156	156	177	201	840	218	164	184
MAX	157	138	220	175	196	179	308	281	1900	651	264	262
MIN	124	100	124	100	130	124	119	136	240	133	124	124
AC-FT	8800	7430	8980	8720	8640	9570	10510	12380	49990	13380	10060	10930

CAL YR 1974 TOTAL 148346 MEAN 406 MAX 1770 MIN 100 AC-FT 294200
WTR YR 1975 TOTAL 80362 MEAN 220 MAX 1900 MIN 100 AC-FT 159400

06766000 Platte River at Brady, Nebr.

LOCATION.--Lat 41°01'10", long 100°22'16" (north channel only), on two channels in secs. 13 and 23, T.12 N., R.27 W., Lincoln County, on downstream side of highway bridges 0.5 mi (0.8 km) and 2.5 mi (4.0 km), respectively, south of Brady and 18 mi (29 km) downstream from confluence of North Platte and South Platte Rivers.

DRAINAGE AREA.--60,200 mi² (155,900 km²), approximately, of which about 51,400 mi² (133,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--May to September 1937, May 1938 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Two water-stage recorders. Datum of gage on north channel is 2,639.10 ft (804.425 m) and on south channel, 2,641.66 ft (805.178 m) above mean sea level. No information available on gages operated by State engineer prior to Nov. 18, 1938. Nov. 18, 1938, to Sept. 30, 1942, gage on north channel at datum 1 ft (0.3 m) higher.

EXTREMES.--Current year: Maximum discharge, 2,390 ft³/s (67.7 m³/s) Aug. 2; minimum daily, 100 ft³/s (2.83 m³/s) Sept. 22-24.
Period of record: Maximum discharge, 18,600 ft³/s (527 m³/s) May 14, 1973; no flow Aug. 22-24, 1941.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Tri-County main supply canal, capacity, about 2,000 ft³/s (56.6 m³/s), diverts 18 mi (29 km) above station; diversion started Nov. 26, 1940. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

REVISIONS (WATER YEARS).--WSP 1390: 1941(M). WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	161	132	142	132	167	161	191	179	293	2070	661
2	122	155	132	138	132	159	131	191	166	233	2200	661
3	124	150	140	138	127	159	152	170	158	417	1750	529
4	126	146	147	140	123	152	172	156	151	721	1570	388
5	125	145	155	141	112	158	171	149	168	1060	1420	315
6	128	144	162	144	110	159	169	148	190	1370	1280	207
7	131	145	169	145	110	151	178	136	155	1520	1130	136
8	129	147	171	145	116	156	205	125	326	1560	959	127
9	129	149	177	145	122	146	198	127	440	1610	931	127
10	128	147	163	130	130	140	188	156	328	1610	1020	120
11	129	145	163	128	140	144	179	153	291	1670	1080	123
12	130	140	163	116	139	148	173	152	254	1630	979	123
13	133	140	155	124	138	158	177	179	231	1440	1010	120
14	131	139	155	144	137	162	176	177	220	1440	1010	121
15	131	139	155	140	127	165	171	169	208	1420	1100	122
16	128	142	162	148	128	163	170	160	201	1390	1120	117
17	128	144	163	151	135	160	169	152	204	1370	1080	113
18	131	146	157	155	140	160	183	147	650	1420	1070	106
19	132	148	156	159	145	156	177	143	1100	1470	1030	106
20	132	145	150	162	151	157	173	138	1100	1480	961	105
21	133	145	150	162	157	160	171	139	1270	1510	825	103
22	133	145	150	160	166	164	175	141	1240	1530	730	100
23	133	147	150	159	176	164	186	138	1160	1520	701	100
24	134	147	139	155	187	156	202	134	1110	1480	654	100
25	143	146	138	151	197	148	198	134	1140	1410	605	102
26	146	148	142	149	204	143	194	136	1340	1390	616	103
27	147	145	144	144	205	143	188	165	1190	1460	617	101
28	151	144	146	140	192	133	185	196	1000	1360	610	102
29	155	134	146	140	---	145	182	222	729	1300	610	102
30	176	123	146	140	---	178	178	247	454	1380	633	107
31	179	---	146	138	---	181	---	251	---	1780	627	---
TOTAL	4198	4340	4724	4473	4078	4831	5332	5022	17353	41224	31998	5442
MEAN	135	145	152	144	146	156	178	162	578	1330	1032	181
MAX	179	161	177	162	205	181	205	251	1340	1780	2200	661
MIN	122	123	132	116	110	133	131	125	151	233	605	100
AC-FT	8330	8610	9370	8870	8090	9580	10580	9960	34420	81770	63470	10790

CAL YR 1974 TOTAL 544528 MEAN 1492 MAX 6240 MIN 120 AC-FT 1080000
WTR YR 1975 TOTAL 133015 MEAN 364 MAX 2200 MIN 100 AC-FT 263800

06766500 Platte River near Cozad, Nebr.

LOCATION.--Lat 40°50'08", long 99°59'13" (north channel) and lat 40°49'57", long 99°59'18" (south channel), in S1/2 sec.18, T.10 N., R.23 W., Dawson County, on downstream side of highway bridges, 1.5 mi (2.4 km) south of Cozad.

DRAINAGE AREA.--60,500 mi² (156,700 km²), approximately, of which about 51,700 mi² (133,900 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July to September 1932, May 1937 to current year (prior to April 1939, irrigation seasons only). Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Two water-stage recorders. Datum of gage on south channel is 2,473.07 ft (753.792 m) and on north channel, 2,476.72 ft (754.904 m) above mean sea level (Nebraska Department of Roads bench mark). See WSP 2118 for history of changes prior to May 10, 1966.

EXTREMES.--Current year: Maximum discharge, 1,610 ft³/s (45.6 m³/s) June 22; minimum daily, 32 ft³/s (0.91 m³/s) Aug. 27.
Period of record: Maximum discharge, 18,400 ft³/s (521 m³/s) May 20, 1973; no flow at times in 1937-40.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	242	221	220	241	308	299	243	121	356	723	87
2	156	235	243	229	231	289	266	224	118	287	1060	88
3	159	229	244	215	221	279	270	229	105	173	1220	125
4	161	225	248	212	220	259	273	220	39	160	821	126
5	161	222	259	218	170	248	263	173	41	312	625	123
6	164	222	277	226	155	248	261	109	41	427	452	105
7	167	218	277	239	180	246	276	84	48	360	297	88
8	170	218	262	245	190	248	337	62	230	234	143	58
9	167	218	227	242	200	243	359	47	365	307	91	38
10	164	218	257	237	200	244	350	146	312	368	68	57
11	178	218	263	141	240	254	336	156	229	359	75	108
12	190	222	267	136	250	240	320	125	152	403	55	108
13	196	221	253	171	257	242	320	164	77	370	62	135
14	196	224	247	213	250	243	330	176	53	192	62	95
15	196	224	230	252	210	248	320	133	55	129	69	68
16	196	224	243	275	224	248	313	106	56	91	79	55
17	196	224	237	285	221	252	309	61	81	91	81	64
18	196	224	246	293	232	248	340	37	157	91	89	68
19	196	227	260	316	232	245	358	40	484	93	88	57
20	196	226	260	294	257	232	345	40	950	105	37	51
21	196	229	253	298	278	223	334	51	1360	106	81	51
22	196	232	254	284	281	243	361	59	1460	154	63	56
23	196	236	247	263	284	239	345	59	1380	177	75	56
24	199	229	222	269	258	225	353	59	1420	186	67	52
25	199	229	177	279	289	221	345	61	1240	119	89	80
26	199	229	232	279	315	231	322	69	1090	52	33	81
27	203	229	232	279	315	303	298	77	1080	62	32	85
28	212	232	227	259	304	300	275	85	986	70	55	80
29	218	220	222	237	---	284	267	92	808	46	81	95
30	232	232	222	226	---	295	257	103	589	41	78	130
31	248	---	212	231	---	310	---	113	---	307	91	---
TOTAL	5837	6778	7521	7563	6705	7934	9406	3403	15083	6144	6854	2361
MEAN	188	226	243	244	239	256	314	110	503	198	221	78.7
MAX	248	242	277	316	315	310	361	243	1460	427	1220	138
MIN	134	218	177	136	155	221	257	37	39	41	32	38
AC-FT	11580	13440	14920	15000	13300	15740	18660	6750	29920	12190	13590	4680

CAL YR 1974 TOTAL 518009 MEAN 1419 MAX 6270 MIN 46 AC-FT 1027000
WTR YR 1975 TOTAL 85589 MEAN 234 MAX 1460 MIN 32 AC-FT 169800

06767500 Plum Creek near Smithfield, Nebr.

LOCATION.--Lat 40°39'40", long 99°42'00", in NW1/4SW1/4 sec.15, T.8 N., R.21 W., Gosper County, on left bank just downstream from county highway bridge, 6.5 mi (10.5 km) northeast of Smithfield.

DRAINAGE AREA.--229 mi² (593 km²).

PERIOD OF RECORD.--June 1946 to September 1953, and annual maximum, water years 1954-68, October 1968 to September 1975 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 2,385 ft (726.9 m), from topographic map. Prior to July 5, 1955, at site 100 ft (30 m) downstream at datum 4.78 ft (1.457 m) higher. Sept. 26, 1955, to June 13, 1958, crest-stage gage at present site at datum 0.39 ft (0.119 m) lower, and June 13, 1958, to Sept. 30, 1968, at present site and datum.

AVERAGE DISCHARGE.--14 years (1946-53, 1968-75), 6.72 ft³/s (0.190 m³/s), 4,870 acre-ft/yr (6.00 hm³/yr); median of yearly mean discharges, 3.0 ft³/s (0.0849 m³/s), 2,200 acre-ft/yr (2.71 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 462 ft³/s (13.1 m³/s) June 22, gage height, 17.68 ft (5.389 m); no flow for many days.

Period of record: Maximum discharge, 2,800 ft³/s (79.3 m³/s) June 23, 1947, gage height, 23.41 ft (7.135 m), present datum; no flow for long periods most years.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.32		0		0	0	0	0	1.5	2.9	.67
2	0	.53		0		0	0	0	0	1.1	11	.69
3	0	.22		0		0	0	.13	0	1.1	15	.72
4	0	.04		0		0	0	.14	0	.88	7.7	.56
5	0	.01		0		0	0	0	0	.77	5.0	.60
6	0	0		0		0	0	0	0	.96	3.5	.99
7	0	0		0		0	0	0	0	.80	3.9	.78
8	0	0		0		0	0	0	59	.77	2.8	.43
9	0	0		0		0	0	0	37	1.2	2.1	.55
10	0	0		0		0	0	16	68	1.3	1.9	.44
11	0	0		0		0	0	5.2	26	1.6	1.4	.35
12	0	0		0		0	0	.70	7.6	1.4	1.7	.30
13	0	0		0		0	0	.26	3.5	1.1	2.8	.39
14	0	0		0		0	0	.11	1.9	1.0	4.9	.35
15	0	0		0		0	0	.34	.99	1.1	5.3	.43
16	0	0		0		0	0	.26	.58	1.3	2.7	.38
17	0	0		0		0	0	.04	.27	1.5	2.3	.34
18	0	0		0		0	0	0	52	1.7	2.3	.13
19	0	0		0		0	0	0	28	1.8	1.6	.03
20	0	0		.01		0	0	0	290	1.6	1.7	.09
21	0	0		.01		0	0	0	283	1.5	2.0	.20
22	0	0		0		0	.01	.69	433	2.2	1.9	.01
23	0	0		0		0	5.8	.13	340	3.1	1.0	0
24	0	0		0		0	11	.39	144	2.0	1.1	0
25	0	0		0		.03	5.2	.18	31	2.2	1.2	0
26	0	0		0		4.1	3.2	.12	9.5	3.0	1.1	0
27	0	0		0		.97	.95	.07	12	2.2	1.4	0
28	0	0		0		.37	.30	.01	11	3.0	1.4	0
29	0	0		0	---	.03	.12	0	3.7	3.0	.88	0
30	.13	0		0	---	0	0	0	2.2	2.8	.80	0
31	.64	---		0	---	0	---	0	---	2.5	.61	---
TOTAL	.77	1.12	0	.02	0	5.50	26.58	24.77	1844.24	51.98	95.89	9.43
MEAN	.025	.037	0	.0006	0	.18	.89	.80	61.5	1.68	3.09	.31
MAX	.64	.53	0	.01	0	4.1	11	16	433	3.1	15	.99
MIN	0	0	0	0	0	0	0	0	0	.77	.61	0
AC-FT	1.5	2.2	0	.04	0	11	53	49	3660	103	190	19

CAL YR 1974 TOTAL 138.55 MEAN .38 MAX 13 MIN 0 AC-FT 275
WTR YR 1975 TOTAL 2060.30 MEAN 5.64 MAX 433 MIN 0 AC-FT 4090

PEAK DISCHARGE (BASE, 120 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 8	1800	14.28	142	6-22	1630	17.68	462
5-20	1130	17.17	399				

06768000 Platte River near Overton, Nebr.

LOCATION.--Lat 40°40'57", long 99°32'24" (north channel), and lat 40°40'48", long 99°32'23" (south channel), in sec.12, T.8 N., R.20 W., Dawson-Phelps County line, on left and right banks, respectively, just downstream from highway bridges, 4 mi (6 km) south of Overton and 4 mi (6 km) downstream from Plum Creek.

DRAINAGE AREA.--61,700 mi² (159,800 km²), approximately, of which about 52,900 mi² (137,000 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July to September 1914 (gage heights only), October 1914 to current year. Monthly discharge only for some periods, published in WSP 1310. Published as "near Elm Creek" 1914-15.

GAGE.--Two water-stage recorders. Datum of gage on north channel is 2,298.83 ft (700.683 m) and on south channel 2,299.83 ft (700.988 m) above mean sea level. July 1914 to October 1917 nonrecording gages at site 8 mi (13 km) downstream at different datum. June 1918 to Sept. 12, 1928, nonrecording gage at present site (south channel only) at datum 2 ft (0.6 m) higher. Sept. 13, 1928, to Sept. 30, 1930, nonrecording gage and Oct. 1, 1930, to Sept. 30, 1968, water-stage recorder, at present site (south channel only) and datum. North channel gage in use at present site at datum 1.0 ft (0.30 m) higher Oct. 1, 1968 to July 10, 1974.

EXTREMES.--Current year: Maximum discharge, 5,500 ft³/s (156 m³/s) June 21, gage height, 4.02 ft (1.225 m), north channel; minimum daily, 181 ft³/s (5.13 m³/s) Aug. 29.

Period of record: Maximum discharge, 37,600 ft³/s (1,060 m³/s) June 5, 1935, gage height, 6.25 ft (1.905 m), south channel; maximum gage height, 6.43 ft (1.960 m) May 15, 1973, north channel, datum then in use; no flow at times in 1919, 1922, 1925, 1927-28, 1930-41.

REMARKS.--Records fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. River flows in two channels for which separate records are computed; figures given herein represent combined discharge. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	1140	1070	1110	1500	1610	1510	1520	655	1520	507	281
2	1180	1060	1050	1210	1460	1540	1620	1490	738	740	1030	328
3	1170	1150	1040	1200	1510	1600	1570	1590	770	607	1890	422
4	1100	1070	1110	1190	1490	1570	1580	1410	748	557	1970	696
5	1020	1050	1210	1210	1440	1470	1510	1480	671	511	1560	1490
6	1090	1110	1190	1340	1380	1590	1580	1310	652	487	1380	1620
7	1160	1110	967	1400	1370	1600	1620	1180	560	547	1190	1690
8	1210	1120	1160	1420	1320	1590	1640	1160	869	539	934	1750
9	1330	1180	1190	1480	1440	1590	1630	997	1320	576	535	1370
10	1260	1170	1270	1350	1240	1590	1670	928	1780	650	421	937
11	1380	1160	1400	1100	1200	1590	1660	989	1700	624	395	859
12	1310	1120	1340	1210	1340	1540	1660	980	1530	627	319	906
13	1360	1100	1460	1260	1320	1620	1530	947	1310	602	304	947
14	1340	1130	1590	1310	1400	1580	1560	1070	722	556	301	1030
15	1190	1100	1430	1410	1450	1500	1650	1090	504	396	328	1080
16	1430	1170	1440	1410	1490	1400	1500	982	480	336	320	1170
17	1060	1160	1430	1290	1510	1540	1340	923	532	305	306	1240
18	1010	1130	1390	1310	1490	1470	1290	856	884	300	291	1310
19	991	1120	1450	1400	1580	1450	1330	876	1360	303	294	1220
20	977	1120	1490	1480	1550	1540	1170	691	2870	317	295	1210
21	951	1090	1500	1560	1610	1180	1400	495	4160	358	247	1040
22	997	1020	1520	1530	1570	1550	1330	478	4670	395	223	1030
23	988	1200	1490	1580	1570	1370	1410	397	4360	396	237	1090
24	1010	1040	1500	1560	1550	1450	1520	368	3820	406	218	1180
25	1060	1100	1390	1550	1530	1320	1530	327	3510	390	221	1070
26	967	1130	1310	1510	1480	1300	1580	300	2940	366	184	1090
27	970	1160	1340	1480	1560	1420	1470	280	2790	327	183	1110
28	1030	1120	1240	1500	1510	1500	1620	292	2800	309	185	1120
29	1050	1110	1150	1550	---	1420	1480	297	2560	319	181	1090
30	1080	1070	1150	1480	---	1340	1580	361	2280	302	251	991
31	1020	---	1150	1510	---	1600	---	533	---	306	309	---
TOTAL	34811	33510	40417	42900	40860	46430	45540	26597	54545	14974	17009	32367
MEAN	1123	1117	1304	1384	1459	1498	1518	858	1818	483	549	1079
MAX	1430	1200	1590	1580	1610	1620	1670	1590	4670	1520	1970	1750
MIN	951	1020	967	1100	1200	1180	1170	280	480	300	181	281
AC-FT	69050	66470	80170	85090	81050	92090	90330	52760	108200	29700	33740	64200

CAL YR 1974 TOTAL 894593 MEAN 2451 MAX 8130 MIN 190 AC-FT 1774000
WTR YR 1975 TOTAL 429960 MEAN 1178 MAX 4670 MIN 181 AC-FT 852800

06770000 Platte River near Odessa, Nebr.

LOCATION.--Lat 40°39'55", long 99°15'20", in E1/2 sec.16, T.8 N., R.17 W., Buffalo-Phelps County line, near right bank on downstream side of pier of highway bridge, 2.5 mi (4.0 km) south of Odessa and 5 mi (8 km) downstream from Elm Creek.

DRAINAGE AREA.--62,100 mi^2 (160,800 km^2), approximately, of which about 53,300 mi^2 (138,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--March 1937 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,197.07 ft (669.667 m) above mean sea level. Prior to Oct. 7, 1938, nonrecording gage and Oct. 7, 1938, to Sept. 30, 1942, water-stage recorder, at present site at datum 1.00 ft (0.305 m) higher.

EXTREMES.--Current year: Maximum discharge observed, 4,850 ft^3/s (137 m^3/s) June 23, gage height, 3.16 ft (0.963 m); maximum gage height, 3.92 ft (1.195 m) Jan. 11, backwater from ice; minimum daily discharge, 24 ft^3/s (0.68 m^3/s) Aug. 27.

Period of record: Maximum discharge, 22,700 ft^3/s (643 m^3/s) June 24, 1947, gage height, 5.52 ft (1.682 m); maximum gage height, 5.89 ft (1.795 m) Mar. 5, 1952, backwater from ice; no flow for periods in each year prior to 1947 and in 1953-57, 1963.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	822	776	1080	1220	1350	1580	1280	1380	285	1650	92	41
2	776	838	1010	1470	1450	1540	1340	1400	360	838	434	41
3	854	838	982	1450	1350	1560	1280	1400	446	446	1050	36
4	870	734	1030	1320	1300	1540	1260	1300	400	276	1400	92
5	870	762	1130	1400	1100	1470	1260	1170	390	184	1280	400
6	902	706	1220	1380	950	1470	1280	1060	302	128	1130	902
7	934	720	1190	1450	1000	1360	1380	982	302	156	902	1150
8	982	776	886	1360	1150	1410	1470	886	966	177	790	1220
9	1010	854	1280	1380	1250	1430	1470	762	1360	226	542	1190
10	950	806	1130	1200	1400	1500	1400	748	1490	340	302	838
11	982	748	1170	1000	1550	1560	1380	720	1360	350	226	790
12	1080	748	1260	1100	1550	1560	1380	678	1130	340	163	734
13	1030	790	1320	1200	1500	1600	1360	692	1090	360	156	850
14	998	806	1320	1300	1500	1580	1380	614	934	370	184	886
15	998	838	1580	1400	1450	1700	1340	692	390	260	156	1030
16	950	822	1490	1500	1450	1540	1340	762	139	150	145	950
17	1060	822	1430	1500	1450	1470	1260	762	128	106	134	966
18	950	822	1430	1550	1450	1450	1240	706	748	111	122	1010
19	966	854	1410	1600	1500	1400	1240	706	1030	117	100	1050
20	966	854	1320	1650	1500	1380	1240	692	2090	122	87	998
21	902	886	1340	1650	1550	1450	1300	542	2450	122	71	934
22	838	870	1430	1600	1600	1320	1240	400	3300	198	71	950
23	806	822	1300	1550	1650	1430	1380	350	4100	198	58	918
24	776	806	1220	1400	1700	1400	1400	320	3600	170	50	918
25	838	854	1200	1320	1700	1170	1340	251	2960	139	41	870
26	806	902	1200	1280	1650	1130	1340	198	2910	111	30	870
27	822	886	1430	1280	1600	1220	1410	92	2560	79	24	854
28	838	918	1380	1400	1490	1200	1490	92	2480	66	27	886
29	838	902	1130	1400	---	1220	1490	83	2230	58	30	748
30	886	1090	1090	1400	---	1190	1490	79	2040	52	36	590
31	838	---	1200	1350	---	1360	---	100	---	55	41	---
TOTAL	28138	24850	38588	43060	40140	44190	40420	20619	43970	7955	9874	23712
MEAN	908	828	1245	1369	1434	1425	1347	665	1466	257	319	790
MAX	1080	1090	1580	1650	1700	1700	1490	1400	4100	1650	1400	1220
MIN	776	706	886	1000	950	1130	1240	79	128	52	24	36
AC-FT	55810	49290	76540	85410	79620	87650	80170	40900	87210	15780	19590	47030

CAL YR 1974 TOTAL 837746 MEAN 2295 MAX 8000 MIN 22 AC-FT 1662000
WTR YR 1975 TOTAL 365516 MEAN 1001 MAX 4100 MIN 24 AC-FT 725000

NOTE.--No gage-height record Feb. 8-10, June 21-24, Sept. 13.

06770500 Platte River near Grand Island, Nebr.

LOCATION.--Lat 40°52'28", long 98°16'54", in SW1/4SW1/4 sec.31, T.11 N., R.8 W., Merrick County, on left bank 118 ft (36 m) downstream from bridge on U.S. Highway 34, 2 mi (3 km) upstream from Burlington Northern Inc. bridge, and 5 mi (8 km) southeast of Grand Island.

DRAINAGE AREA.--62,800 mi² (162,700 km²), approximately, of which about 54,000 mi² (139,900 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,831.89 ft (558.360 m) above mean sea level (Nebraska Department of Highways bench mark). Prior to Oct. 23, 1933, nonrecording gage at bridge 30 ft (9 m) upstream at present datum.

EXTREMES.--Current year: Maximum discharge, 5,740 ft³/s (163 m³/s) June 23, gage height, 3.66 ft (1.116 m); maximum gage height, 4.37 ft (1.332 m) Dec. 9, backwater from ice; minimum daily discharge, 5.7 ft³/s (0.16 m³/s) Sept. 3.

Period of record: Maximum discharge, 30,000 ft³/s (850 m³/s) June 6, 1935, gage height, 5.99 ft (1.826 m), from rating curve extended above 18,000 ft³/s (510 m³/s); maximum gage height, 6.16 ft (1.878 m) Mar. 27, 1960, backwater from ice; no flow at times in many years.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 956: 1935. WSP 1390: 1942. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	753	1070	812	1000	1200	1950	1400	1330	388	1880	273	9.2
2	753	971	780	1060	1100	1900	1400	1450	624	1670	271	7.1
3	770	925	720	1300	1200	1800	1580	1530	753	1240	289	5.7
4	770	928	800	1240	1350	1650	1990	1570	737	948	372	11
5	790	891	880	1160	1300	1650	1730	1550	678	707	759	39
6	770	846	980	1160	1000	1600	1670	1460	647	597	1190	56
7	736	832	900	1120	780	1550	1710	1370	636	575	1140	134
8	736	798	760	1250	780	1600	1670	1250	697	537	1030	487
9	790	802	1000	1160	900	1600	1610	1180	1270	513	931	810
10	850	823	960	1080	1100	1600	1550	1080	1380	502	817	1050
11	890	797	1040	880	1120	1500	1540	998	1520	514	657	988
12	910	803	1100	640	1240	1450	1570	978	1710	508	511	834
13	988	847	1200	450	1350	1450	1620	944	1600	510	414	745
14	1000	810	1200	510	1450	1600	1750	943	1420	547	388	717
15	991	812	1140	560	1450	1750	1690	863	1220	520	362	706
16	1020	781	1000	820	1450	1850	1600	871	950	480	298	677
17	1030	775	660	1080	1500	1750	1490	919	753	431	256	945
18	1040	798	760	1200	1500	2200	1490	843	1490	381	212	1480
19	1020	806	820	1400	1550	2000	1450	835	1760	356	182	2070
20	930	806	920	1500	1500	1950	1310	804	1870	345	169	2040
21	910	774	1040	1450	1200	1840	1300	833	2090	333	156	2030
22	850	762	1100	1500	1400	1880	1310	860	4450	382	126	2060
23	850	746	1200	1500	1350	1750	1520	843	5300	969	98	1650
24	870	742	1100	1550	1450	1500	1550	709	4660	803	77	1160
25	910	783	1000	1700	1500	1400	1530	620	3820	633	56	1180
26	930	776	960	1800	1600	1600	1540	547	3230	553	35	1100
27	930	736	900	1800	1700	1550	1450	513	2750	479	25	1020
28	950	790	1000	1600	1850	1540	1450	611	2270	418	21	999
29	1060	790	940	1400	---	1480	1320	560	2060	349	17	970
30	1110	770	980	1350	---	1450	1270	524	1990	301	13	963
31	1140	---	1000	1300	---	1420	---	486	---	283	11	---
TOTAL	28047	24590	29652	37520	36870	51810	46060	29834	54723	19264	11156	26943.0
MEAN	905	820	957	1210	1317	1671	1535	962	1824	621	360	898
MAX	1140	1070	1200	1800	1850	2200	1990	1570	5300	1880	1190	2070
MIN	736	736	660	450	780	1400	1270	486	388	283	11	5.7
AC-FT	55630	48770	58810	74420	73130	102800	91360	59180	108500	38210	22130	53440

CAL YR 1974 TOTAL 834293.10 MEAN 2286 MAX 7640 MIN 0 AC-FT 1655000
WTR YR 1975 TOTAL 396469.00 MEAN 1086 MAX 5300 MIN 5.7 AC-FT 786400

06771500 Wood River near Gibbon, Nebr.

LOCATION.--Lat 40°46'17", long 98°47'51", in NW1/4NW1/4 sec.9, T.9 N., R.13 W., Buffalo County, on left bank 10 ft (3 m) downstream from bridge on county highway and 2.5 mi (4.0 km) northeast of Gibbon.

DRAINAGE AREA.--572 mi² (1,481 km²).

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,024.88 ft (617.183 m) above mean sea level. Prior to July 26, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--26 years, 13.7 ft³/s (0.388 m³/s), 9,930 acre-ft/yr (12.2 hm³/yr); median of yearly mean discharges, 9.8 ft³/s (0.278 m³/s), 7,100 acre-ft/yr (8.75 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 603 ft³/s (17.1 m³/s) July 23, gage height, 13.38 ft (4.078 m); maximum gage height, 13.41 ft (4.087 m) June 23, backwater from log jam; no flow for many days.
Period of record: Maximum discharge, 4,050 ft³/s (115 m³/s) June 15, 1967, gage height, 16.79 ft (5.118 m); no flow for many days in 1952-62, 1964-75.

REMARKS.--Records fair except those for winter period, which are poor. Numerous small diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	1.6	.20	.20	.06	.80	0	.21	.45	13	36	6.9
2	.01	1.0	.24	.20	.10	.75	0	.12	.68	10	33	5.4
3	0	.32	.30	.22	.10	.35	0	.07	2.3	8.6	39	6.6
4	.33	.13	.30	.22	.08	.10	0	.02	2.5	8.4	23	7.2
5	.37	.06	.30	.24	.06	.14	.06	0	2.3	8.1	67	7.3
6	.47	.07	.40	.24	.10	.18	.15	0	2.2	7.7	28	5.3
7	.48	.06	.36	.24	.30	.16	.20	0	2.2	7.6	16	2.8
8	.31	.08	.24	.26	.25	.10	.38	0	5.3	7.1	19	2.4
9	.15	.10	.26	.30	.20	.06	.50	0	101	11	6.9	1.9
10	.22	.14	.28	.28	.20	.04	.70	0	128	12	6.2	.69
11	.45	.12	.30	.10	.18	0	.85	0	41	19	6.0	.73
12	.55	.11	.30	.06	.16	0	.96	0	14	15	7.1	.69
13	.52	.12	.26	.04	.10	0	.56	0	5.4	17	8.8	.69
14	.58	.12	.16	.04	.06	0	.64	0	2.3	13	9.7	.61
15	.50	.17	0	.06	.04	0	1.0	0	1.6	8.3	8.4	.43
16	.80	.22	0	.06	.04	.10	.49	0	1.4	8.3	7.7	.36
17	1.0	.26	0	.08	.06	.26	.34	0	.85	14	6.6	.38
18	.38	.27	.24	.08	.10	.50	.32	0	19	16	7.3	.41
19	.12	.27	.30	.10	.30	.75	.32	0	340	19	6.3	.52
20	.02	.26	.40	.10	.30	1.0	.43	0	280	30	6.1	.61
21	0	.26	.50	.11	.35	1.0	.30	0	89	14	6.7	.52
22	0	.25	.60	.12	.35	.80	.19	0	200	39	7.6	.91
23	.22	.23	.40	.14	.38	.72	.30	0	506	520	9.5	.81
24	.32	.24	.20	.14	.40	.50	.41	0	277	377	9.6	.22
25	.09	.23	.16	.16	.60	.26	.46	.01	188	81	8.0	.29
26	.80	.70	.10	.18	.60	.15	.34	.11	107	30	6.6	.34
27	2.5	.70	.10	.18	.70	.15	.28	.22	57	16	6.6	.26
28	2.5	.70	.10	.14	.70	.10	.30	.61	45	12	7.5	.36
29	2.7	.50	.14	.10	---	.04	.29	.66	31	32	7.6	.41
30	2.8	.30	.16	.10	---	0	.34	.61	19	28	7.6	.41
31	3.4	---	.20	.10	---	0	---	.46	---	29	7.0	---
TCTAL	22.72	9.59	7.50	4.59	6.87	9.01	11.11	3.10	2471.48	1431.1	432.4	56.45
MEAN	.73	.32	.24	.15	.25	.29	.37	.10	82.4	46.2	13.9	1.88
MAX	3.4	1.6	.60	.30	.70	1.0	1.0	.66	506	520	67	7.3
MIN	0	.06	0	.04	.04	0	0	0	.45	7.1	6.0	.22
AC-FT	45	19	15	9.1	14	18	22	6.1	4900	2840	858	112

CAL YR 1974 TOTAL 1092.45 MEAN 2.99 MAX 45 MIN 0 AC-FT 2170
WTR YR 1975 TOTAL 4465.92 MEAN 12.2 MAX 520 MIN 0 AC-FT 8860

PEAK DISCHARGE (BASE, 300 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-19	2000	12.07	458	7-23	2100	13.38	603
6-23	1430	13.41	534				

06772000 Wood River near Alda, Nebr.

LOCATION.--Lat 40°51'10", long 98°28'20", in NE1/4SE1/4 sec.7, T.10 N., R.10 W., Hall County, on right bank 1.2 mi (1.9 km) south of Alda, 2.2 mi (3.5 km) upstream from old north channel of the Platte River, and 19 mi (31 km) upstream from present mouth.

DRAINAGE AREA.--628 mi^2 (1,627 km^2).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,897.66 ft (578.407 m) above mean sea level (Bureau of Reclamation bench mark).

AVERAGE DISCHARGE.--22 years, 11.1 ft^3/s (0.314 m^3/s), 8,040 acre-ft/yr (9.91 hm^3/yr); median of yearly mean discharges, 6.7 ft^3/s (0.190 m^3/s), 4,900 acre-ft/yr (6.04 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 434 ft^3/s (12.3 m^3/s) July 25, gage height, 9.16 ft (2.792 m); no flow for most of year.

Period of record: Maximum discharge, 1,630 ft^3/s (46.2 m^3/s) June 16, 1967, gage height, 12.22 ft (3.725 m); no flow for most of each year. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REMARKS.--Records fair. Numerous small pump diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	27	22	3.2
2									.38	19	25	1.5
3									46	14	23	1.4
4									6.4	11	23	.09
5									.02	9.2	23	.46
6									0	8.4	33	1.1
7									0	7.9	29	1.0
8									4.4	7.9	22	.06
9									7.2	8.1	27	0
10									1.2	6.9	19	0
11									90	8.1	15	0
12									60	11	14	0
13									25	14	14	0
14									10	14	16	0
15									3.9	15	18	0
16									1.3	12	20	0
17									.36	9.2	17	0
18									21	9.2	12	0
19									52	14	11	0
20									161	16	11	0
21									228	18	7.9	0
22									142	31	9.4	0
23									113	47	9.7	0
24									343	260	12	0
25									269	267	13	0
26									170	96	12	0
27									112	48	10	0
28									68	31	7.1	0
29					---				50	21	5.1	0
30					---				42	18	6.4	0
31		---			---		---		---	21	4.9	---
TOTAL	0	0	0	0	0	0	0	0	2027.16	1099.9	491.5	8.81
MEAN	0	0	0	0	0	0	0	0	67.6	35.5	15.9	.29
MAX	0	0	0	0	0	0	0	0	343	267	33	3.2
MIN	0	0	0	0	0	0	0	0	0	6.9	4.9	0
AC-FT	0	0	0	0	0	0	0	0	4020	2180	975	17

CAL YR 1974 TOTAL 652.21 MEAN 1.79 MAX 34 MIN 0 AC-FT 1290
WTR YR 1975 TOTAL 3627.37 MEAN 9.94 MAX 343 MIN 0 AC-FT 7190

PEAK DISCHARGE (BASE, 300 FT^3/S).--June 24 (2130) 411 ft^3/s (9.04 ft), July 25 (1000) 434 ft^3/s (9.16 ft).

06774000 Platte River near Duncan, Nebr.

LOCATION.--Lat 41°22'04", long 97°29'40", in SE1/4SW1/4 sec.12, T.16 N., R.2 W., Platte County, on left bank 25 ft (8 m) downstream from highway bridge, 1.5 mi (2.4 km) south of Duncan, and 12 mi (19 km) upstream from Loup River.

DRAINAGE AREA.--64,900 mi² (168,100 km²), approximately.

PERIOD OF RECORD.--June 1895 to December 1909 (irrigation seasons only 1895-1900), July 1910 to December 1911 (gage heights and discharge measurements only), April 1912 to September 1915, June 1928 to current year. Published as "near Columbus" 1895-1915.

GAGE.--Water-stage recorder. Datum of gage is 1,478.55 ft (450.662 m) above mean sea level. June 1895 to December 1909, April 1912 to September 1915, and June to October 1928 nonrecording gage at site 7 mi (11 km) downstream at different datums. Oct. 25, 1928, to Feb. 20, 1935, nonrecording gage at present site and datum.

EXTREMES.--Current year: Maximum discharge, 6,440 ft³/s (182 m³/s) June 24, gage height, 3.46 ft (1.055 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Sept. 4.

Period of record: Maximum discharge observed, 44,100 ft³/s (1,250 m³/s) June 23, 1905, gage height, 6.50 ft (1.981 m), site and datum then in use; no flow at times in 1931, 1933-42, 1944, 1952-57, 1959, 1963, 1974.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 956: 1935. WSP 1390: 1897, 1899-1901, 1903-5, 1929-32, 1935(M), 1936. WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	423	1230	860	1120	1400	1800	1520	1500	496	2770	247	1.4
2	508	1160	840	1200	1500	1700	1300	1510	482	2490	218	1.2
3	547	1060	820	1120	1500	1600	1600	1540	482	2210	189	1.1
4	548	952	900	1200	1400	1800	2430	1510	517	1890	170	1.0
5	558	934	1000	1180	1300	2000	2080	1480	704	1420	181	2.4
6	596	892	980	1100	1100	1900	1680	1450	715	1090	210	6.0
7	632	901	920	1000	1200	1700	1770	1340	679	880	347	14
8	645	926	880	1060	1000	1500	1850	1260	797	717	577	30
9	622	902	960	1160	940	1600	1900	1220	1080	627	599	47
10	645	912	960	1000	1200	1500	1830	1210	1270	565	544	70
11	672	915	1000	800	1300	1450	1720	1400	1350	497	500	108
12	730	924	1040	620	1250	1400	1670	1160	1470	447	428	446
13	789	925	1000	800	1300	1350	1710	1060	1590	414	374	522
14	815	936	1100	1000	1350	1600	1850	991	1650	400	285	491
15	828	973	980	1400	1350	1900	1900	954	1550	374	238	437
16	872	962	780	1300	1400	2000	1830	949	1480	313	220	432
17	899	961	480	1450	1450	1900	1690	882	1300	259	196	456
18	914	940	560	1600	1400	2800	1620	865	1730	225	180	463
19	915	930	680	1500	920	2180	1710	876	2090	221	136	459
20	927	932	720	1600	940	1980	1690	794	2070	313	120	475
21	932	943	820	1700	960	1790	1590	718	2280	287	92	519
22	870	900	940	1600	1200	1780	1460	810	3030	271	60	546
23	832	829	1100	1600	1100	1770	1620	806	4970	297	48	550
24	830	788	1080	1700	1600	1530	1540	736	6280	419	37	539
25	843	815	1060	1800	1600	1130	1600	659	5940	892	25	479
26	838	791	1120	1900	1600	1350	1650	611	5310	776	16	470
27	853	844	1200	1800	1700	1700	1820	545	4900	676	10	506
28	870	839	1280	1400	1900	1660	2120	541	4310	557	3.0	545
29	953	780	1260	1250	---	1470	1730	552	3550	432	2.5	562
30	1150	740	1220	1300	---	1500	1590	564	3040	329	2.0	590
31	1250	---	1140	1300	---	1570	---	527	---	273	1.6	---
TOTAL	24306	27536	29680	40560	36860	52910	52070	31020	67112	23331	6256.1	9769.1
MEAN	784	918	957	1308	1316	1707	1736	1001	2237	753	202	326
MAX	1250	1230	1280	1900	1900	2800	2430	1540	6280	2770	599	590
MIN	423	740	480	620	920	1130	1300	527	482	221	1.6	1.0
AC-FT	48210	54620	58870	80450	73110	104900	103300	61530	133100	46280	12410	19380

CAL YR 1974 TOTAL 901933.60 MEAN 2471 MAX 8200 MIN 0 AC-FT 1789000
WTR YR 1975 TOTAL 401410.20 MEAN 1100 MAX 6280 MIN 1.0 AC-FT 796200

06775500 Middle Loup River at Dunning, Nebr.

LOCATION.--Lat 41°49'50", long 100°06'00", in NW1/4SE1/4 sec.33, T.22 N., R.24 W., Blaine County, on left bank just upstream from bridge on State Highway 2 at northeast corner of Dunning, 1 mi (2 km) upstream from Dismal River.

DRAINAGE AREA.--1,850 mi² (4,790 km²), approximately, of which about 80 mi² (210 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--September 1945 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2,607.14 ft (794.656 m) above mean sea level. Prior to Sept. 12, 1946, nonrecording gage, and Sept. 12, 1946, to Sept. 30, 1962, water-stage recorder at site 0.2 mi (0.3 km) upstream at datum 0.03 ft (0.009 m) higher.

AVERAGE DISCHARGE.--30 years, 398 ft³/s (11.27 m³/s), 288,400 acre-ft/yr (0.356 km³/yr).

EXTREMES.--Current year: Maximum discharge, 799 ft³/s (22.6 m³/s) Mar 30, gage height, 2.09 ft (0.637 m); maximum gage height, 4.50 ft (1.372 m) Feb. 8, backwater from ice; minimum daily discharge, 200 ft³/s (5.66 m³/s) Mar. 28.

Period of record: Maximum discharge, 1,020 ft³/s (28.9 m³/s) Apr. 20, 1971, gage height, 2.50 ft (0.762 m); maximum gage height, 7.02 ft (2.140 m) Mar. 31, 1949, backwater from ice, site and datum then in use; minimum daily discharge, 100 ft³/s (2.83 m³/s) Dec. 5, 6, 1950.

REMARKS.--Records good except those for winter period, which are poor. Records of water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	386	410	320	390	370	410	486	405	409	349	431	353
2	385	400	300	393	355	409	450	419	403	343	385	365
3	374	400	340	420	386	430	418	408	401	344	366	361
4	390	385	351	360	466	415	429	398	396	341	359	366
5	391	375	360	373	422	419	456	387	379	343	377	377
6	397	390	365	428	410	450	485	392	358	347	384	369
7	382	385	380	397	380	454	515	395	369	372	369	359
8	383	390	340	404	350	418	613	392	452	365	361	356
9	392	390	350	404	310	462	543	391	414	384	362	358
10	396	380	356	421	350	440	502	412	395	373	359	364
11	397	395	380	390	380	459	505	407	381	357	357	383
12	396	380	400	370	370	466	532	399	362	353	355	385
13	392	385	410	390	360	437	507	403	361	348	366	360
14	396	360	425	430	380	436	471	395	372	349	377	358
15	391	360	395	460	370	457	442	384	369	348	377	370
16	377	365	390	450	390	460	442	382	361	337	369	362
17	373	365	380	490	400	478	462	385	363	328	370	367
18	380	392	390	540	410	485	485	386	377	330	373	364
19	380	405	410	580	420	500	453	392	428	369	370	365
20	375	395	400	500	420	489	415	392	397	353	361	362
21	385	390	410	450	420	507	416	389	450	399	364	349
22	395	385	415	420	410	514	417	390	409	448	392	345
23	390	420	400	400	400	550	432	400	400	465	378	351
24	380	390	390	418	395	522	456	387	395	393	365	349
25	415	385	370	399	388	456	417	381	372	370	352	352
26	390	395	380	365	415	449	417	384	471	359	356	354
27	385	375	380	390	419	490	421	388	408	356	350	367
28	390	390	370	380	403	200	470	394	381	354	346	369
29	419	380	390	370	---	350	424	420	365	344	350	365
30	425	330	400	390	---	520	405	393	355	344	344	368
31	440	---	400	380	---	499	---	390	---	484	349	---
TOTAL	12147	11547	11747	12952	10949	14031	13886	12240	11753	11349	11374	10873
MEAN	392	385	379	418	391	453	463	395	392	366	367	362
MAX	440	420	425	580	466	550	613	420	471	484	431	385
MIN	373	330	300	360	310	200	405	381	355	328	344	345
AC-FT	24090	22900	23300	25690	21720	27830	27540	24280	23310	22510	22560	21570

CAL YR 1974 TOTAL 148372 MEAN 406 MAX 649 MIN 300 AC-FT 294300
WTR YR 1975 TOTAL 144848 MEAN 397 MAX 613 MIN 200 AC-FT 287300

06775900 Dismal River near Thedford, Nebr.
(Hydrologic bench-mark station)

LOCATION.--Lat 41°46'45", long 100°31'30", in SE1/4NW1/4 sec.23, T.21 N., R.28 W., Thomas County, on right bank 25 ft (8 m) upstream from bridge on State Highway 83, 2 mi (3 km) upstream from boundary of Nebraska National Forest (Bessey Division), and 14 mi (23 km) south of Thedford.

DRAINAGE AREA.--960 mi^2 (2,490 km^2), approximately, of which about 30 mi^2 (78 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,800.13 ft (853.480 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 191 ft^3/s (5.409 m^3/s), 138,400 acre-ft/yr (0.171 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 298 ft^3/s (8.44 m^3/s) July 31, gage height, 2.23 ft (0.680 m); minimum daily, 159 ft^3/s (4.50 m^3/s) Jan. 12.
Period of record: Maximum discharge, 335 ft^3/s (9.49 m^3/s) July 28, 1967, gage height, 2.73 ft (0.832 m); maximum gage height, 2.94 ft (0.896 m) Dec. 31, 1968, backwater from ice; minimum daily discharge, 156 ft^3/s (4.42 m^3/s) Jan. 27, 1972.

REMARKS.--Records good. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	193	179	190	193	208	184	184	182	170	196	187
2	182	191	183	193	199	206	171	188	181	171	185	186
3	187	191	181	188	199	209	190	188	182	169	184	187
4	189	190	186	189	200	199	202	189	185	167	184	186
5	188	191	190	194	187	213	207	192	181	169	188	188
6	187	187	190	192	185	215	205	192	178	167	183	191
7	186	192	186	195	200	197	212	189	180	171	182	191
8	188	191	181	197	198	203	204	188	192	168	181	193
9	189	186	184	195	188	196	204	191	184	173	179	192
10	191	185	181	188	195	201	205	198	177	172	180	195
11	192	186	186	167	204	206	204	194	175	169	180	210
12	189	187	184	159	195	204	202	189	176	166	180	197
13	187	187	185	181	192	204	204	194	174	170	179	193
14	191	187	189	182	204	198	197	196	178	175	180	194
15	186	185	187	191	197	202	202	191	178	170	178	192
16	189	188	188	187	194	205	199	191	176	171	179	191
17	191	188	188	177	197	207	200	193	175	169	178	191
18	190	188	191	190	199	202	194	193	179	173	178	194
19	188	190	194	190	201	206	189	195	190	181	177	188
20	189	186	193	187	207	208	191	190	177	181	179	186
21	191	191	190	190	199	204	192	185	180	178	179	188
22	193	188	194	183	198	198	192	187	182	191	183	190
23	193	188	191	188	196	200	196	195	182	183	181	190
24	193	184	185	196	200	188	194	189	174	180	181	191
25	196	189	181	197	201	185	191	186	174	178	178	189
26	191	188	189	195	202	190	196	184	194	181	180	189
27	192	184	193	194	203	191	198	182	178	179	181	189
28	196	187	194	195	210	165	198	185	172	179	183	189
29	202	184	191	189	---	191	185	188	170	180	186	189
30	200	183	195	193	---	184	182	185	169	183	184	192
31	201	---	191	191	---	186	---	184	---	247	186	---
TOTAL	5911	5635	5820	5839	5543	6171	5890	5875	5375	5481	5632	5728
MEAN	191	188	188	188	198	199	196	190	179	177	182	191
MAX	202	193	195	197	210	215	212	198	194	247	196	210
MIN	182	183	179	159	185	165	171	182	169	166	177	186
AC-FT	11720	11180	11540	11580	10990	12240	11680	11650	10660	10870	11170	11360

CAL YR 1974 TOTAL 69056 MEAN 189 MAX 227 MIN 167 AC-FT 137000
WTR YR 1975 TOTAL 68900 MEAN 189 MAX 247 MIN 159 AC-FT 136700

06776500 Dismal River at Dunning, Nebr.

LOCATION.--Lat 41°49'23", long 100°06'05", in sec.4, T.21 N., R.24 W., Blaine County, on right bank 100 ft (30 m) downstream from bridge on State Highway 2 at southeast corner of Dunning and 1 mi (2 km) upstream from mouth.

DRAINAGE AREA.--2,040 mi² (5,280 km²), approximately, of which about 45 mi² (120 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--March to June 1932, September 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,606.3 ft (794.40 m) above mean sea level. Mar. 1 to June 30, 1932, nonrecording gage at site 0.2 mi (0.3 km) upstream at datum 0.5 ft (0.15 m) lower. Sept. 13, 1945, to Apr. 19, 1956, nonrecording gage on bridge 100 ft (30 m) upstream at present datum.

AVERAGE DISCHARGE.--30 years (1945-75), 321 ft³/s (9.091 m³/s), 232,600 acre-ft/yr (0.287 km³/yr).

EXTREMES.--Current year: Maximum discharge, 422 ft³/s (12.0 m³/s) June 26, gage height, 1.42 ft (0.433 m), and Aug. 22, gage height, 1.34 ft (0.408 m); maximum gage height 3.10 ft (0.945 m) Feb. 6, ice jam; minimum daily discharge, 230 ft³/s (6.51 m³/s) Jan. 14 and Feb. 9.

Period of record: Maximum discharge, 996 ft³/s (28.2 m³/s) May 26, 1952, gage height, 3.18 ft (0.969 m); maximum gage height observed, 5.21 ft (1.588 m) Jan. 19, 1947, backwater from ice; minimum daily discharge, 100 ft³/s (2.83 m³/s) Jan. 25, 1950, Jan. 9, 1962.

REMARKS.--Records good except those for winter period, which are poor.

REVISIONS.--WSP 2118: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	299	317	311	313	340	336	302	295	288	359	294
2	311	293	326	315	322	341	334	296	296	285	297	292
3	321	287	317	308	324	338	330	300	300	286	301	284
4	326	289	304	310	325	330	336	300	307	287	291	293
5	326	290	299	307	318	335	354	303	309	284	302	294
6	321	289	303	303	280	340	353	301	305	286	294	294
7	316	296	303	308	250	336	349	300	305	288	287	293
8	321	301	299	301	270	327	361	301	371	284	285	289
9	324	305	299	297	230	324	364	295	361	302	286	288
10	322	308	300	287	250	318	358	310	337	290	284	299
11	327	307	313	281	270	316	348	315	325	281	285	314
12	318	307	314	275	290	318	340	312	314	274	292	298
13	315	309	313	255	310	315	336	307	308	274	289	293
14	309	307	315	230	330	314	331	307	304	279	291	294
15	308	307	317	280	350	316	328	302	301	280	294	294
16	306	319	310	330	360	320	334	304	298	275	292	292
17	307	330	313	380	360	328	348	301	294	270	287	292
18	305	331	315	385	370	331	344	300	323	274	292	285
19	302	333	311	370	380	336	338	304	341	281	289	279
20	300	329	309	342	390	342	327	304	325	285	289	274
21	297	329	307	317	390	344	324	306	348	317	296	273
22	295	330	311	302	383	338	327	304	315	322	355	275
23	292	331	313	296	360	331	327	312	313	316	303	277
24	289	321	306	296	352	320	345	312	314	293	302	278
25	297	313	315	295	346	323	341	312	301	288	287	282
26	286	315	322	292	339	336	336	304	366	283	297	282
27	284	310	322	290	335	342	334	302	319	286	290	284
28	281	306	314	288	334	348	327	298	308	279	290	287
29	298	299	316	290	---	334	319	298	294	272	297	287
30	306	300	314	292	---	330	310	298	288	270	290	283
31	310	---	313	298	---	336	---	298	---	333	290	---
TOTAL	9530	9290	9650	9431	9131	10247	10139	9408	9481	8912	9173	8643
MEAN	307	310	311	304	326	331	338	303	316	287	296	288
MAX	327	333	326	385	390	348	364	315	371	333	359	314
MIN	281	287	299	230	230	314	310	295	288	270	284	273
AC-FT	18900	18430	19140	18710	18110	20320	20110	18660	18810	17680	18190	17140

CAL YR 1974 TOTAL 115340 MEAN 316 MAX 429 MIN 259 AC-FT 228800
WTR YR 1975 TOTAL 113035 MEAN 310 MAX 390 MIN 230 AC-FT 224200

06779000 Middle Loup River at Arcadia, Nebr.

LOCATION.--Lat 41°25'20", long 99°08'10", in sec.26, T.17 N., R.16 W., Valley County, on left bank 80 ft (24 m) downstream from bridge on State Highway 70 at southwest edge of Arcadia.

DRAINAGE AREA.--5,040 mi^2 (13,100 km^2), approximately, of which about 820 mi^2 (2,120 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--July 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,146.30 ft (654.192 m) above mean sea level (levels by Bureau of Reclamation). Prior to Apr. 23, 1938, nonrecording gage at bridge just upstream at datum 1.23 ft (0.375 m) lower.

AVERAGE DISCHARGE.--13 years (1962-75), 641 ft^3/s (18.15 m^3/s), 464,400 acre-ft/yr (0.573 km^3/yr) since diversion to Farwell Irrigation District canal.

EXTREMES.--Current year: Maximum discharge, 3,270 ft^3/s (92.6 m^3/s) Mar. 17, gage height, 3.56 ft (1.085 m); maximum gage height, 4.86 ft (1.481 m) Dec. 27, backwater from ice; minimum daily discharge, 18 ft^3/s (0.51 m^3/s) July 29,30.

Period of record: Maximum discharge estimated, about 18,500 ft^3/s (524 m^3/s) June 22, 1947, gage height, 6.24 ft (1.902 m); maximum discharge computed, 9,700 ft^3/s (275 m^3/s) May 27, 1945, gage height, 5.12 ft (1.561 m); maximum gage height, 6.41 ft (1.954 m) Mar. 27, 1960, backwater from ice; minimum daily discharge, 6.0 ft^3/s (0.17 m^3/s) July 23, 1974.

REMARKS.--Records poor. Middle Loup Public Power and Irrigation District began diversion above station Mar. 30, 1938. Farwell Irrigation District canal began diversion from river in November 1962 at point 8 mi (13 km) above station.

REVISIONS.--WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	945	540	700	860	1160	540	564	285	501	29	86
2	418	842	600	720	900	1060	560	320	395	395	120	88
3	350	786	660	660	860	1000	700	242	434	263	48	83
4	340	490	740	620	740	1040	960	261	382	171	29	97
5	360	270	980	580	580	1200	900	242	296	114	25	154
6	400	363	960	720	460	1100	950	271	213	90	27	95
7	388	930	880	680	480	1000	1000	309	171	70	29	92
8	388	842	740	760	370	940	1230	293	702	72	30	86
9	345	915	470	800	330	880	1040	344	500	59	32	81
10	350	990	1100	740	500	840	1080	508	300	48	55	76
11	360	1020	800	600	840	860	840	560	213	43	61	76
12	365	814	900	500	780	800	840	487	251	38	68	139
13	382	1050	940	420	700	660	1010	356	222	38	74	105
14	345	1050	840	350	720	700	1000	393	213	33	83	115
15	370	758	400	410	780	780	860	344	266	33	88	118
16	382	945	520	600	820	920	960	309	246	28	90	122
17	388	800	760	660	860	1550	1100	298	158	25	86	128
18	376	691	860	680	940	1280	840	277	338	21	86	191
19	412	800	960	780	920	1180	940	400	419	32	81	232
20	418	842	980	880	880	975	860	285	959	45	79	213
21	424	842	1040	900	840	1020	740	158	1130	24	74	204
22	424	786	1000	1020	940	960	860	154	770	171	74	177
23	448	828	980	1200	920	840	960	142	614	103	76	187
24	466	800	500	1160	1060	740	780	176	679	70	76	182
25	518	704	250	1120	1020	640	780	202	508	86	74	162
26	672	740	180	1020	980	600	880	187	742	31	79	171
27	644	660	260	940	1140	660	1060	138	840	22	74	166
28	693	480	320	840	1250	760	780	120	706	20	81	319
29	843	470	560	900	---	940	680	114	582	18	86	192
30	950	420	700	980	---	760	688	208	534	18	81	208
31	885	---	740	940	---	600	---	202	---	21	86	---
TOTAL	14444	22873	22160	23880	22470	28445	26418	8864	14072	2703	2081	4345
MEAN	466	762	715	770	803	918	881	286	469	87.2	67.1	145
MAX	950	1050	1100	1200	1250	1550	1230	564	1130	501	120	319
MIN	340	270	180	350	330	600	540	114	158	18	25	76
AC-FT	28650	45370	43950	47370	44570	56420	52400	17580	27910	5360	4130	8620

CAL YR 1974 TOTAL 214655.1 MEAN 588 MAX 1700 MIN 6.0 AC-FT 425800
WTR YR 1975 TOTAL 192755.0 MEAN 528 MAX 1550 MIN 18 AC-FT 382300

06780000 Middle Loup River at Rockville, Nebr.

LOCATION.--Lat 41°06'39", long 98°50'19", in NE1/4SW1/4 sec.8, T.13 N., R.13 W., Sherman County, on right bank 0.2 mi (0.3 km) upstream (revised) from bridge on State Highway 68, 0.6 mi (1.0 km) southwest of Rockville.

DRAINAGE AREA.--5,310 mi² (13,800 km²), approximately, of which about 1,090 mi² (2,820 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1955 to September 1964, October 1967 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,956.68 ft (596.396 m) above mean sea level.

AVERAGE DISCHARGE.--17 years, 751 ft³/s (21.27 m³/s), 544,100 acre-ft/yr (0.671 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,590 ft³/s (45.0 m³/s) June 21, gage height, 5.02 ft (1.530 m); maximum gage height, 6.39 ft (1.948 m) Feb. 14, backwater from ice; minimum daily discharge, 36 ft³/s (1.02 m³/s) July 18.

Period of record: Maximum discharge, 10,400 ft³/s (295 m³/s) June 16, 1957, gage height, 4.62 ft (1.408 m); maximum gage height, 7.16 ft (2.182 m) Mar. 20, 1969, backwater from ice; minimum daily discharge, 27 ft³/s (0.76 m³/s) July 20, 1974.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by many diversions for irrigation and return flow from irrigated areas.

REVISIONS.--WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369	816	600	740	900	1250	730	612	231	501	80	93
2	431	688	640	740	960	1140	600	638	292	433	106	92
3	429	668	700	720	900	1040	780	567	313	346	190	96
4	365	744	800	680	800	1080	940	512	329	278	113	98
5	344	447	940	680	640	1300	835	433	299	208	107	119
6	388	433	1000	600	500	1200	829	329	271	146	89	151
7	452	803	940	860	520	1100	949	351	237	128	76	114
8	432	1090	800	900	400	1000	1150	354	370	95	61	100
9	402	1170	600	910	360	940	1110	333	688	92	55	102
10	369	1050	760	800	540	880	1130	389	612	78	55	99
11	374	1060	860	660	900	920	866	591	600	68	77	107
12	394	1030	960	560	820	900	868	539	387	61	78	126
13	433	986	980	460	740	880	1060	452	338	60	90	157
14	414	974	800	430	760	860	1040	433	292	61	95	139
15	362	896	500	485	820	900	913	424	264	54	98	160
16	424	865	530	600	860	990	1010	381	321	50	95	168
17	395	912	800	640	980	1100	1170	346	231	49	91	169
18	414	912	960	740	1060	1200	880	338	387	36	92	175
19	338	837	1000	820	1000	1700	974	321	491	38	94	255
20	362	739	1040	920	960	1600	880	383	942	91	92	242
21	362	823	1100	960	900	1100	795	257	1340	90	86	241
22	370	912	1000	1100	1000	1000	912	237	1090	172	85	229
23	395	927	600	1300	960	900	989	257	837	336	81	209
24	433	823	450	1250	1100	800	795	196	725	181	88	214
25	404	829	270	1200	1080	750	809	219	725	139	86	218
26	534	820	200	1100	1060	740	927	225	650	136	84	219
27	556	700	300	1000	1200	760	1140	214	1020	79	86	221
28	523	600	360	940	1350	800	837	179	958	74	82	254
29	627	500	600	980	---	840	712	174	767	73	91	369
30	839	450	760	1020	---	880	578	170	567	56	94	339
31	880	---	800	1000	---	900	---	219	---	50	95	---
TOTAL	13814	24504	22650	25995	24070	31450	27208	11073	16574	4259	2792	5275
MEAN	446	817	731	839	860	1015	907	357	552	137	90.1	176
MAX	880	1170	1160	1300	1350	1700	1170	638	1340	501	190	369
MIN	338	433	200	430	360	740	578	170	231	36	55	92
AC-FT	27400	48600	44930	51560	47740	6238	53970	21960	32870	8450	5540	10460

CAL YR 1974 TOTAL 237136 MEAN 650 MAX 1800 MIN 27 AC-FT 470400
WTR YR 1975 TOTAL 209664 MEAN 574 MAX 1700 MIN 36 AC-FT 415900

06782500 South Loup River at Ravenna, Nebr.

LOCATION.--Lat 41°00'42", long 98°54'44", in SW1/4NW1/4 sec.16, T.12 N., R.14 W., Buffalo County, 16 ft (5 m) downstream and 38 ft (12 m) left of left downstream corner of county highway bridge, 0.5 mi (0.8 km) south of Ravenna city limits, and 1.4 mi (2.3 km) upstream from Mud Creek.

DRAINAGE AREA.--1,570 mi² (4,070 km²), approximately, of which about 890 mi² (2,310 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to September 1958, October 1967 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,983.73 ft (604.641 m) above mean sea level, adjusted. Oct. 14, 1940, to Mar. 9, 1958, nonrecording gage and crest-stage gage at same site and datum, and Mar. 10, 1958, to Sept. 30, 1958, at same site at datum 0.48 ft (0.146 m) higher.

AVERAGE DISCHARGE.--26 years, 192 ft³/s (5.437 m³/s), 139,100 acre-ft/yr (0.172 km³/yr).

EXTREMES.--Current year: Maximum discharge, 2,510 ft³/s (71.1 m³/s) June 22, gage height, 5.50 ft (1.676 m); minimum daily, 41 ft³/s (1.16 m³/s) Aug. 25.
Period of record: Maximum discharge estimated, about 41,000 ft³/s (1,160 m³/s) June 22, 1947, gage height, 12.6 ft (3.84 m), from floodmark; maximum discharge computed, 17,100 ft³/s (484 m³/s) June 24, 1968, gage height, 10.32 ft (3.146 m); minimum daily, 8.6 ft³/s (0.24 m³/s) Aug. 28, 1955.

REMARKS.--Records good except those for winter period, which are poor. Minor irrigation developments above station.

REVISIONS.--WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	168	80	114	165	230	240	156	132	168	302	49
2	90	139	84	114	150	240	220	147	154	146	513	51
3	93	139	94	116	160	215	230	148	225	136	174	57
4	99	132	110	122	190	195	246	175	190	118	127	72
5	96	130	120	122	180	210	258	174	154	102	131	79
6	102	125	114	118	135	200	264	166	146	90	139	81
7	102	130	104	124	100	195	282	146	154	84	118	78
8	99	125	94	124	112	190	294	149	367	79	101	76
9	105	132	140	130	145	185	300	166	388	171	96	76
10	118	125	135	135	160	180	306	171	326	141	88	73
11	114	130	130	135	160	185	294	228	264	144	79	74
12	111	125	120	125	165	180	288	194	230	113	68	83
13	118	130	110	102	175	170	294	172	215	97	84	92
14	118	135	100	108	165	180	300	154	190	89	96	89
15	125	139	90	125	165	200	300	146	154	93	101	93
16	128	149	100	160	155	220	250	139	128	75	94	97
17	143	151	94	175	155	230	268	143	132	71	81	99
18	132	168	110	175	160	240	279	146	1390	67	77	90
19	128	174	130	175	160	250	264	154	518	70	77	85
20	121	178	150	185	165	260	240	150	1130	148	65	81
21	121	169	165	190	165	250	218	139	1120	80	57	83
22	121	173	175	185	180	250	219	172	1320	375	50	82
23	128	161	185	200	190	240	227	159	560	755	46	83
24	128	151	160	195	180	230	248	139	360	278	42	82
25	125	149	130	195	180	210	245	136	246	231	41	86
26	125	128	140	195	190	220	231	128	241	157	42	89
27	136	120	130	200	200	240	207	136	225	117	47	92
28	143	104	120	190	220	250	223	154	394	98	48	95
29	154	100	120	180	---	260	202	156	230	93	50	97
30	172	90	110	170	---	260	174	146	194	73	53	96
31	176	---	110	175	---	250	---	143	---	65	49	---
TOTAL	3761	4169	3754	4759	4627	6815	7611	4832	11477	4504	3136	2460
MEAN	121	139	121	154	165	220	254	156	383	145	101	82.0
MAX	176	178	185	200	220	260	306	228	1390	755	513	99
MIN	90	90	80	102	100	170	174	128	128	65	41	49
AC-FT	7460	8270	7450	9440	9180	13520	15100	9580	22760	8930	6220	4880

CAL YR 1974 TOTAL 61546 MEAN 169 MAX 1470 MIN 39 AC-FT 122100
WTR YR 1975 TOTAL 61905 MEAN 170 MAX 1390 MIN 41 AC-FT 122800

06783500 Mud Creek near Sweetwater, Nebr.

LOCATION.--Lat 41°02'15", long 98°59'35", in NE1/4SE1/4 sec.3, T.12 N., R.15 W., Buffalo County, on right bank 12 ft (4 m) downstream from bridge on State Highway 2, 0.9 mi (1.4 km) southeast of Sweetwater, and 11.6 mi (18.7 km) upstream from mouth.

DRAINAGE AREA.--707 mi² (1,831 km²), of which 655 mi² (1,696 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,013.69 ft (613.773 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 41.2 ft³/s (1.167 m³/s), 29,850 acre-ft/yr (36.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 512 ft³/s (14.5 m³/s) June 22, gage height, 11.53 ft (3.514 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Aug. 24.
Period of record: Maximum discharge estimated, about 27,000 ft³/s (765 m³/s) June 22, 1947, gage height, 23.20 ft (7.071 m); maximum discharge computed, 5,600 ft³/s (159 m³/s) June 24, 1968, gage height, 20.07 ft (6.117 m); no flow at times in 1955-56.
Maximum stage known since at least 1929, that of June 22, 1947, from information by local resident.

REMARKS.--Records good except those for winter period, which are poor. Minor irrigation developments above station.

REVISIONS.--WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	20	22	20	24	28	23	22	15	58	11	1.9
2	8.5	21	23	21	36	24	22	22	24	44	11	6.0
3	10	20	22	20	28	23	20	23	64	39	8.7	4.9
4	12	20	20	20	28	22	22	23	33	30	6.8	4.0
5	13	18	21	21	24	29	24	25	30	25	8.9	5.6
6	12	17	23	19	26	23	26	25	27	21	11	5.8
7	12	18	21	21	32	19	27	24	23	17	12	6.0
8	12	18	16	20	21	20	29	23	43	14	6.7	6.9
9	13	17	14	20	22	18	29	21	76	12	4.9	6.0
10	14	17	19	21	25	21	28	22	69	10	5.3	6.4
11	14	18	20	20	29	21	29	22	93	8.5	2.2	8.7
12	14	18	20	17	34	22	29	23	39	9.3	4.1	6.7
13	16	18	20	15	33	20	27	23	26	4.1	5.0	6.2
14	16	19	19	18	28	21	28	27	21	7.7	4.8	6.7
15	17	19	18	19	29	23	27	23	20	7.0	4.9	8.9
16	16	19	18	19	25	25	27	21	18	6.1	7.7	7.2
17	17	19	18	20	25	24	26	19	18	5.3	8.6	7.0
18	17	20	19	20	24	28	27	20	321	2.1	4.1	9.5
19	17	20	21	22	27	31	27	17	62	1.4	2.5	7.7
20	17	20	22	21	28	30	26	17	250	4.6	2.5	7.8
21	17	19	22	22	27	27	27	17	386	6.6	4.6	6.8
22	17	19	21	23	24	28	29	20	353	14	1.9	6.4
23	16	19	21	23	28	27	29	20	221	27	1.6	7.1
24	17	19	23	24	28	20	27	19	181	38	1.0	7.5
25	17	17	19	23	25	7.2	26	18	85	48	2.9	8.1
26	17	19	19	27	26	10	28	18	92	24	1.2	7.5
27	17	18	19	27	30	15	27	16	80	21	1.8	7.6
28	18	17	22	24	30	20	25	16	117	15	5.3	8.2
29	18	16	24	24	---	18	24	16	94	7.6	3.4	10
30	20	18	20	24	---	23	23	16	84	4.4	4.2	9.7
31	21	---	20	22	---	22	---	16	---	3.1	3.4	---
TOTAL	471.7	557	626	657	766	689.2	788	634	2965	534.8	164.0	208.8
MEAN	15.2	18.6	20.2	21.2	27.4	22.2	26.3	20.5	98.8	17.3	5.29	6.96
MAX	21	21	24	27	36	31	29	27	386	58	12	10
MIN	8.5	16	14	15	21	7.2	20	16	15	1.4	1.0	1.9
AC-FT	936	1100	1240	1300	1520	1370	1560	1260	5880	1060	325	414

CAL YR 1974 TOTAL 10399.1 MEAN 28.5 MAX 345 MIN 2.9 AC-FT 20630
WTR YR 1975 TOTAL 9061.5 MEAN 24.8 MAX 386 MIN 1.0 AC-FT 17970

PEAK DISCHARGE (BASE, 550 FT³/S).--No peak above base.

06784000 South Loup River at St. Michael, Nebr.

LOCATION.--Lat 41°01'53", long 98°44'25", in NE1/4NE1/4 sec.11, T.12 N., R.13 W., Buffalo County, 15 ft (5 m) upstream and 65 ft (20 m) right from right upstream corner of county highway bridge, 0.6 mi (1.0 km) northeast of St. Michael, and 3.4 mi (5.5 km) upstream from Sweet Creek.

DRAINAGE AREA.--2,350 mi² (6,090 km²), approximately, of which about 1,610 mi² (4,170 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,921.26 ft (585.600 m) above mean sea level, adjusted. Prior to June 22, 1947, water-stage recorder, and June 25 to Sept. 30, 1947, nonrecording gage, at site 40 ft (12 m) downstream at datum 2.00 ft (0.610 m) higher. Oct. 1, 1947, to July 3, 1958, nonrecording gage at site 40 ft (12 m) downstream at present datum. July 4, 1958, to Sept. 7, 1960, water-stage recorder at site 560 ft (171 m) upstream at present datum. Sept. 8, 1960, to June 24, 1968, water-stage recorder at site 60 ft (18 m) upstream at present datum. June 25 to Nov. 21, 1968, nonrecording gage at site 40 ft (12 m) downstream at present datum.

AVERAGE DISCHARGE.--32 years, 243 ft³/s (6.882 m³/s), 176,100 acre-ft/yr (0.217 km³/yr).

EXTREMES.--Current year: Maximum discharge, 2,780 ft³/s (78.7 m³/s) June 22, gage height, 6.58 ft (2.006 m); minimum daily, 37 ft³/s (1.05 m³/s) Aug. 26.

Period of record: Maximum discharge estimated, about 50,000 ft³/s (1,420 m³/s) June 22, 1947, gage height, 12.0 ft (3.66 m), present datum, from graph based on gage readings; maximum discharge computed, 27,500 ft³/s (779 m³/s) June 24, 1968, gage height, 11.00 ft (3.353 m); minimum daily, 6.6 ft³/s (0.19 m³/s) Aug. 30, 1955.

REMARKS.--Records good except those for winter period, which are poor. Minor irrigation developments above station. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1974: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	210	112	170	190	300	243	185	155	280	113	45
2	110	196	100	180	185	330	225	188	242	224	435	47
3	111	190	120	180	205	290	230	181	314	198	213	56
4	115	182	140	175	215	250	250	188	185	171	147	69
5	108	174	160	185	215	270	247	184	155	153	125	79
6	118	171	150	180	165	250	243	191	137	145	134	80
7	122	171	140	185	130	240	252	179	134	134	129	79
8	124	169	120	190	125	230	296	171	230	124	109	75
9	120	171	155	195	175	220	305	179	550	147	95	75
10	124	174	180	195	200	200	314	179	344	160	84	73
11	126	174	170	180	195	210	307	185	349	154	77	74
12	126	179	165	165	205	190	286	264	300	136	58	83
13	131	182	160	145	205	180	284	210	224	124	73	85
14	137	185	150	130	195	190	298	207	198	117	84	83
15	137	176	150	145	195	220	295	196	176	107	88	88
16	140	176	145	165	180	260	285	185	163	97	87	94
17	142	176	140	190	195	254	275	174	160	88	82	95
18	140	182	160	210	195	263	285	166	1210	83	82	93
19	142	182	155	220	195	269	275	163	738	79	75	97
20	142	176	150	220	205	269	259	155	877	95	69	95
21	147	171	170	235	205	267	229	150	1010	132	63	93
22	145	171	190	240	210	286	217	166	1930	218	54	87
23	147	168	210	235	220	280	232	174	783	538	51	88
24	153	171	180	240	230	278	223	163	510	297	43	84
25	153	171	160	240	235	261	224	163	290	254	39	90
26	155	173	170	240	250	249	218	153	264	207	37	97
27	160	171	180	250	270	252	220	147	254	150	45	100
28	168	172	190	240	300	246	220	150	333	122	47	105
29	178	168	175	220	---	244	215	155	356	95	53	108
30	197	145	160	215	---	253	200	160	347	79	53	114
31	213	---	170	195	---	252	---	155	---	69	52	---
TOTAL	4338	5277	4877	6155	5690	7753	7652	5466	12918	4977	2896	2531
MEAN	140	176	157	199	203	250	255	176	431	161	93.4	84.4
MAX	213	210	210	250	300	330	314	264	1930	538	435	114
MIN	107	145	100	130	125	180	200	147	134	69	37	45
AC-FT	8690	10470	9670	12210	11290	15380	15180	10840	25620	9870	5740	5020

CAL YR 1974 TOTAL 73978 MEAN 203 MAX 1640 MIN 32 AC-FT 146700
WTR YR 1975 TOTAL 70530 MEAN 193 MAX 1930 MIN 37 AC-FT 139900

06784200 Sherman Reservoir near Loup City, Nebr.

LOCATION.--Lat 41°19'10", long 98°52'45", in SW1/4NW1/4 sec.1, T.15 N., R.14 W., Sherman County, in control house of outlet works of Sherman Dam, 5 mi (8 km) northeast of Loup City.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Mercury-column pressure gage read once daily. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum contents observed, 70,230 acre-ft (86.6 hm³) June 22, elevation, 2,162.7 ft (659.19 m); minimum observed, 8,040 acre-ft (9.91 hm³) Sept. 4, elevation, 2,125.8 ft (647.94 m).
Period of record: Maximum contents observed, 70,230 acre-ft (86.6 hm³) June 22, 1975, elevation, 2,162.7 ft (659.19 m); minimum since appreciable storage was attained, 10,010 acre-ft (12.3 hm³) Sept. 1, 1971, elevation, 2,128.4 ft (648.74 m).

REMARKS(Revised).--Reservoir is formed by earthfill dam; closure date of dam, August 1960. First diversions from Middle Loup River, Nov. 8, 1962. Usable capacity, 65,237 acre-ft (80.4 hm³) between elevations 2,118.5 ft (645.72 m), sill of canal outlet works, and 2,162.3 ft (659.07 m), crest of spillway. Dead and inactive storage, 3,839 acre-ft (4.73 hm³) below elevation 2,118.5 ft (645.72 m). Figures given herein represent total contents. Water used for irrigation of Farwell Unit of Bureau of Reclamation.

COOPERATION.--Records of elevations and capacity table furnished by Bureau of Reclamation.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	2,149.6	38,520	-
Oct. 31	2,157.9	57,180	+18,660
Nov. 30	2,158.1	57,690	+510
Dec. 31	2,157.2	55,420	-2,270
CAL YR 1974	-	-	+1,480
Jan. 31	2,156.6	53,940	-1,480
Feb. 28	2,155.9	52,240	-1,700
Mar. 31	2,155.6	51,530	-710
Apr. 30	2,155.3	50,820	-710
May 31	2,161.9	67,930	+17,110
June 30	2,162.2	68,790	+860
July 31	2,151.3	41,960	-26,830
Aug. 31	2,128.6	10,170	-31,790
Sept. 30	2,144.7	29,690	+19,520
WTR YR 1975	-	-	-8,830

06785000 Middle Loup River at St. Paul, Nebr.

LOCATION.--Lat 41°11'55", long 98°26'50", in NE1/4SW1/4NE1/4 sec.10, T.14 N., R.10 W., Howard County, on left bank at St. Paul, 450 ft (137 m) upstream from bridge on U.S. Highway 281 and 6 mi (10 km) upstream from confluence with North Loup River.

DRAINAGE AREA.--8,090 mi^2 (21,000 km^2), approximately, of which about 3,130 mi^2 (8,110 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to September 1915, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,776.61 ft (541.511 m) above mean sea level. See WSP 1918 for history of changes prior to June 5, 1957.

AVERAGE DISCHARGE.--68 years, 1,202 ft^3/s (34.04 m^3/s), 870,800 acre-ft/yr (1.07 km^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 5,700 ft^3/s (161 m^3/s) June 22, gage height, 5.42 ft (1.652 m); maximum gage height recorded, 6.18 ft (1.884 m) Feb. 15, backwater from ice; minimum daily discharge, 145 ft^3/s (4.11 m^3/s) Aug. 11.

Period of record: Maximum discharge, 72,000 ft^3/s (2,040 m^3/s) June 23, 1947, gage height, 12.69 ft (3.868 m), site then in use, present datum, from rating curve extended above 55,000 ft^3/s (1,560 m^3/s); minimum daily since 1929, 59 ft^3/s (1.67 m^3/s) July 10, 1970.

REMARKS.--Records good except those for winter period, which are poor. Diversions above station for irrigation. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1036: 1943. WSP 1390: 1896, 1903, 1928(M), 1944. WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	449	1470	700	1080	1200	1600	860	486	419	1530	213	190
2	464	1410	760	1100	1300	1500	1000	366	431	1400	1210	189
3	531	1210	820	960	1140	1400	1400	497	1020	1260	970	211
4	484	1170	1000	920	1000	1500	1450	409	565	1050	797	272
5	460	933	1400	1040	800	1800	1370	566	420	775	450	298
6	477	586	1450	1000	700	1700	1470	545	312	552	412	284
7	552	629	1200	1020	740	1600	1650	499	228	377	307	316
8	600	1140	960	1080	500	1500	1810	526	780	332	227	244
9	578	1070	540	1140	460	1400	1790	520	2180	259	198	222
10	576	1160	882	1040	740	1300	1550	563	1750	341	168	206
11	547	1280	975	900	1120	1350	1230	643	1270	317	145	195
12	585	1190	1150	740	1040	1240	916	1090	1330	302	154	197
13	599	928	1210	600	980	1020	1250	778	797	259	298	245
14	614	1070	1050	500	980	1100	1490	622	738	258	269	273
15	566	1010	225	540	1100	1200	1550	638	604	234	270	259
16	565	881	346	700	1200	1400	1610	610	566	205	264	289
17	612	1060	900	740	1300	1600	1400	508	831	180	265	296
18	583	1060	995	900	1350	1800	1520	490	3190	170	266	261
19	607	1060	1040	1020	1300	1850	1600	463	2680	246	254	239
20	557	1020	1130	1140	1250	1550	1190	439	2380	319	247	365
21	553	1030	1210	1200	1200	1330	814	567	3600	510	219	316
22	536	1040	1300	1500	1300	1370	916	522	4920	544	190	333
23	565	1140	1200	1700	1250	1270	1120	532	2320	995	169	323
24	598	951	1000	1650	1400	1100	1330	512	1750	1230	164	303
25	619	1000	800	1600	1350	1000	868	402	1530	616	170	310
26	604	1080	560	1500	1300	920	887	431	1220	450	197	333
27	933	886	600	1400	1600	1000	691	434	1440	372	201	326
28	882	586	680	1300	1700	1100	1010	449	1660	264	203	354
29	990	587	800	1350	---	1480	849	347	1580	222	200	524
30	1410	540	960	1450	---	1050	634	322	1640	205	209	545
31	1810	---	1120	1350	---	906	---	315	---	185	206	---
TOTAL	20506	30177	28963	34160	31300	41936	37225	16091	44151	15959	9512	8718
MEAN	661	1006	934	1102	1118	1353	1241	519	1472	515	307	291
MAX	1810	1470	1450	1700	1700	1850	1810	1090	4920	1530	1210	545
MIN	449	540	225	500	460	906	634	315	228	170	145	189
AC-FT	40670	59860	57450	67760	62080	83180	73840	31920	87570	31650	18870	17290

CAL YR 1974 TOTAL 333677 MEAN 914 MAX 2920 MIN 101 AC-FT 661800
WTR YR 1975 TOTAL 318698 MEAN 873 MAX 4920 MIN 145 AC-FT 632100

06786000 North Loup River at Taylor, Nebr.

LOCATION.--Lat 41°46'37", long 99°22'45", in NE1/4SE1/4 sec.22, T.21 N., R.18 W., Loup County, on left bank 64 ft (20 m) downstream from bridge on U.S. Highway 183 and 0.4 mi (0.6 km) north of Taylor.

DRAINAGE AREA.--2,280 mi² (5,910 km²), approximately, of which about 180 mi² (470 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--November 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,248.21 ft (685.254 m) above mean sea level. Prior to Sept. 28, 1938, nonrecording gage at same site and datum. Sept. 28, 1938, to July 16, 1958, water-stage recorder at site 450 ft (137 m) upstream at same datum.

AVERAGE DISCHARGE.--38 years (1937-75), 459 ft³/s (13.00 m³/s), 332,500 acre-ft/yr (0.410 km³/yr).

EXTREMES.--Current year: Maximum discharge, 960 ft³/s (27.2 m³/s) Apr. 8,9, gage height, 5.08 ft (1.548 m); maximum gage height, 6.58 ft (2.006 m) Feb. 5, backwater from ice; minimum daily discharge, 85 ft³/s (2.41 m³/s) July 18,30.

Period of record: Maximum discharge, 2,770 ft³/s (78.4 m³/s) June 14, 1951, gage height, 6.50 ft (1.981 m), but may have been greater during ice breakup Mar. 10, 1955; maximum gage height, 9.5 ft (2.90 m) Feb. 25, 1957, ice jam, from floodmarks; minimum daily discharge, 45 ft³/s (1.27 m³/s) July 26, 1941.

REMARKS.--Records fair except those for winter period, which are poor. North Loup Public Power and Irrigation District canal began diversion from river in April 1939 at point 5 mi (8 km) above station. Several smaller diversions above station for irrigation. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 856: 1937. WSP 1310: 1939(M). WSP 1730: 1956-57(M). WSP 1918: 1952. WRD Nebr. 1972: Drainage area. Revised figures of discharge, in cubic feet per second, for the water year 1974, superseding those published in WRD Nebr. 1974, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
1973		1973-Con.		1974-Con.		1974-Con.	
Dec. 20	300	Dec. 28	420	Jan. 4	400	Jan. 12	520
21	350	29	430	5	400	13	520
22	400	30	440	6	400	14	500
23	450	31	450	7	420	15	520
24	430	1974		8	440	16	560
25	420	Jan. 1	440	9	460	17	680
26	440	2	420	10	480	18	800
27	430	3	410	11	500	19	900

Month	Cfs-days	Maximum	Minimum	Mean	Runoff in acre-ft
December 1973	13,777	555	300	444	27,330
January 1974	17,640	920	400	569	34,990
CAL YR 1973	182,714	1,280	109	501	362,400
WTR YR 1974	163,138	920	92	447	323,600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	554	400	440	300	800	417	485	361	359	232	129
2	432	514	410	440	320	740	410	511	368	364	342	140
3	440	476	425	440	330	619	476	580	350	288	213	148
4	470	455	470	420	310	576	560	589	374	256	171	172
5	432	450	494	420	250	575	622	570	346	208	160	254
6	444	448	470	440	320	605	761	545	347	229	156	281
7	432	449	470	460	370	542	846	510	281	208	152	276
8	440	460	362	460	330	532	898	494	468	180	144	265
9	440	474	369	440	270	502	868	478	505	176	141	281
10	441	483	390	400	330	518	674	718	422	168	139	276
11	455	476	425	380	420	503	572	686	375	148	137	318
12	445	459	425	360	500	500	550	502	339	130	134	318
13	450	437	425	380	460	481	541	425	315	120	139	330
14	480	413	425	400	460	536	534	455	313	116	160	336
15	422	395	390	380	500	569	527	440	313	108	180	318
16	423	412	432	360	520	567	502	432	319	97	281	312
17	437	420	425	380	520	574	519	396	305	88	232	330
18	434	440	410	420	520	575	528	390	421	85	194	318
19	432	448	459	400	500	583	485	383	368	127	194	305
20	430	455	448	440	520	611	485	368	640	156	172	293
21	427	440	429	420	520	624	494	357	579	210	164	299
22	425	440	427	430	500	603	536	391	537	337	204	299
23	425	478	415	450	560	574	485	421	461	410	218	308
24	448	462	353	440	740	473	494	411	426	362	172	313
25	526	455	265	420	680	399	485	400	388	232	152	324
26	515	440	284	380	640	395	502	378	435	193	133	327
27	463	448	420	330	680	200	502	342	455	164	126	335
28	460	448	478	310	740	399	528	358	431	130	126	362
29	494	383	480	330	---	190	514	359	395	96	139	361
30	508	330	460	320	---	316	539	373	377	85	133	359
31	544	---	460	310	---	446	---	365	---	104	130	---
TOTAL	14006	13442	12995	12400	13110	16127	16854	14112	12014	5934	5370	8687
MEAN	452	448	419	400	468	520	562	455	400	191	173	290
MAX	544	554	494	460	740	800	898	718	640	410	342	362
MIN	422	330	265	310	250	190	410	342	281	85	126	129
AC-FT	27780	26660	25780	24600	26000	31990	33430	27990	23830	11770	10650	17230

CAL YR 1974 TOTAL 158127 MEAN 433 MAX 920 MIN 92 AC-FT 313600
WTR YR 1975 TOTAL 145051 MEAN 397 MAX 898 MIN 85 AC-FT 287700

06787500 Calamus River near Burwell, Nebr.

LOCATION.--Lat 41°48'35", long 99°10'56", in NW1/4NW1/4 sec.9, T.21 N., R.16 W., Garfield County, on left bank 130 ft (40 m) downstream from highway bridge, 1.5 mi (2.4 km) upstream from mouth, and 3 mi (5 km) northwest of Burwell.

DRAINAGE AREA.--1,060 mi^2 (2,750 km^2), approximately, of which about 110 mi^2 (280 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,156.48 ft (657.295 m) above mean sea level (levels by Bureau of Reclamation). Prior to Apr. 20, 1945, nonrecording gage at site 130 ft (40 m) upstream at present datum. Apr. 21, 1945, to Jan. 28, 1964, water-stage recorder at site 170 ft (52 m) downstream at present datum.

AVERAGE DISCHARGE.--35 years, 299 ft^3/s (8.468 m^3/s), 216,600 acre-ft/yr (0.267 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 477 ft^3/s (13.5 m^3/s) June 20, gage height, 3.71 ft (1.131 m); maximum gage height, 4.30 ft (1.311 m) Feb. 10, backwater from ice; minimum daily discharge, 140 ft^3/s (3.96 m^3/s) July 21.

Period of record: Maximum discharge, 1,790 ft^3/s (50.7 m^3/s) May 4, 1964, gage height, 4.35 ft (1.326 m); maximum gage height, 5.90 ft (1.798 m) Jan. 26, 1967, backwater from ice; minimum daily discharge, 54 ft^3/s (1.53 m^3/s) Dec. 5, 1950.

REMARKS.--Records poor. Diversions for irrigation above station. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1918: 1958. WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	302	290	270	350	320	316	277	274	280	261	251
2	263	306	300	292	359	311	293	288	276	145	272	251
3	267	306	300	293	311	311	302	300	274	146	270	250
4	271	306	284	288	306	316	316	299	284	255	259	250
5	271	306	289	284	225	320	326	296	277	263	251	265
6	271	306	291	288	165	326	348	294	270	263	250	270
7	271	306	283	288	190	320	399	289	268	259	248	259
8	271	307	265	288	180	302	442	285	331	255	242	252
9	271	307	250	293	150	311	429	275	332	251	241	248
10	275	307	286	262	170	306	405	320	310	251	244	241
11	280	307	284	240	200	320	380	370	307	247	245	251
12	275	302	282	230	190	326	370	336	294	251	240	257
13	275	293	277	210	180	311	360	319	275	251	240	260
14	275	293	276	240	190	311	350	310	265	251	246	267
15	275	293	278	270	180	316	340	296	264	255	259	268
16	275	293	279	330	190	320	340	292	258	247	266	272
17	280	293	287	350	210	331	429	286	250	239	261	272
18	280	293	294	380	230	335	405	286	303	235	256	269
19	280	300	296	370	230	340	326	282	288	232	256	267
20	280	310	288	360	250	353	316	273	389	251	254	264
21	288	300	280	345	260	352	326	269	464	140	253	267
22	298	300	295	308	280	350	331	278	429	143	255	267
23	302	320	293	288	300	345	331	294	405	146	263	267
24	302	320	280	302	330	287	326	283	399	147	260	267
25	302	310	270	297	310	213	306	277	370	149	254	263
26	302	310	260	295	300	271	309	281	336	145	254	263
27	302	310	270	296	320	342	306	277	320	147	258	263
28	302	320	280	300	311	320	297	278	306	150	257	268
29	302	290	270	291	---	275	275	279	293	147	266	279
30	302	270	270	312	---	284	274	273	284	144	262	285
31	302	---	270	322	---	320	---	271	---	145	258	---
TOTAL	8769	9086	8717	9182	6867	9765	10273	9033	9395	6430	7901	7873
MEAN	283	303	281	296	245	315	342	291	313	207	255	262
MAX	302	320	300	380	359	353	442	370	464	280	272	285
MIN	259	270	250	210	150	213	274	269	250	140	240	241
AC-FT	17390	18020	17290	18210	13620	19370	20380	17920	18630	12750	15670	15620

CAL YR 1974 TOTAL 108123 MEAN 296 MAX 491 MIN 230 AC-FT 214500
WTR YR 1975 TOTAL 103291 MEAN 283 MAX 464 MIN 140 AC-FT 204900

NOTE.--No gage-height record Oct. 1 to Dec. 3, Jan. 11-15, Feb. 14-26, Apr. 11-16.

06788500 North Loup River at Ord, Nebr.

LOCATION.--Lat 41°36'27", long 98°55'17", in SW1/4NW1/4 sec.22, T.19 N., R.14 W., Valley County, on right bank 150 ft (46 m) downstream from bridge on State Highway 70 at Ord.

DRAINAGE AREA.--3,750 mi² (9,710 km²), approximately, of which about 700 mi² (1,810 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--November 1936 to September 1938 (published as "near Ord"), June 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,012.14 ft (613.300 m) above mean sea level. Nov. 25, 1936, to Sept. 30, 1938, nonrecording gage at site 2 mi (3 km) downstream at different datum.

AVERAGE DISCHARGE.--24 years (1937-38, 1952-75), 863 ft³/s (24.44 m³/s), 625,200 acre-ft/yr (0.771 km³/yr).

EXTREMES.--Current year: Maximum discharge, 1,920 ft³/s (54.4 m³/s) June 21, gage height, 3.78 ft (1.152 m); maximum gage height, 4.47 ft (1.362 m) Mar. 2, backwater from ice; minimum daily discharge, 315 ft³/s (8.92 m³/s) July 17,18.

Period of record: Maximum discharge, 10,100 ft³/s (286 m³/s) June 7, 1962, gage height, 5.52 ft (1.682 m); maximum gage height, 5.56 ft (1.695 m) Feb. 9, 1966, backwater from ice; minimum daily discharge, 150 ft³/s (4.25 m³/s) Jan. 10, 1957, Nov. 30, 1960.

REMARKS.--Records good except those for winter period, which are poor. Diversions above station for irrigation. Flow includes return water from North Loup irrigation project.

REVISIONS (WATER YEARS).--WSP 1730: 1957(M). WRD Nebr. 1974: Drainage area. Revised figures of discharge, in cubic feet per second, for the water year 1974, superseding those published in WRD Nebr. 1974, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
1974		1974-Con.		1974-Con.		1974-Con.	
Jan. 18	1,000	Jan. 23	1,200	Jan. 28	1,020	Feb. 2	1,200
19	1,200	24	1,060	29	1,080	3	1,060
20	1,350	25	1,040	30	1,140	4	1,100
21	1,300	26	1,000	31	1,060	5	1,040
22	1,300	27	1,060	Feb. 1	1,100	6	940

Month	Cfs-days	Maximum	Minimum	Mean	Runoff in acre-feet
January 1974	29,390	1,350	700	948	58,300
February 1974	30,719	1,700	820	1,097	60,930
WTR YR 1974	315,246	1,990	233	864	625,300

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	930	680	740	800	1180	1030	929	694	752	418	392
2	735	874	700	800	780	1080	1030	890	687	724	538	393
3	753	837	840	760	740	980	965	933	682	689	556	401
4	766	819	914	760	860	980	1100	937	712	642	466	438
5	777	793	946	780	800	1000	1200	894	714	614	416	534
6	769	778	969	740	600	1000	1290	809	682	620	404	547
7	750	780	959	760	540	929	1440	783	669	584	377	543
8	747	787	800	760	540	841	1610	803	856	502	364	537
9	764	809	640	800	600	811	1670	790	1040	458	344	547
10	764	833	760	700	620	810	1710	848	879	462	347	547
11	775	843	780	500	700	810	1470	1210	820	436	333	535
12	783	855	926	450	820	838	1200	950	775	429	329	572
13	803	860	909	480	860	815	1200	806	700	413	342	590
14	775	859	976	540	860	873	1150	809	664	408	365	594
15	761	810	900	620	880	928	1010	790	674	374	391	618
16	755	778	840	680	900	1010	979	741	677	348	468	625
17	775	802	860	700	940	1020	990	698	665	315	498	623
18	768	825	900	900	940	1020	1060	686	825	315	446	643
19	756	869	911	900	940	1070	990	674	846	436	423	635
20	766	855	867	920	960	1080	891	664	1290	429	421	610
21	764	871	820	920	960	1080	902	656	1730	486	401	597
22	775	866	760	1000	980	1020	902	680	1300	689	396	601
23	774	903	800	980	1000	980	957	719	1010	920	405	615
24	782	946	760	960	1060	940	935	688	1010	780	442	631
25	825	920	600	1000	1080	700	946	684	914	692	378	651
26	874	866	580	1040	1100	760	968	682	1240	601	367	678
27	862	879	600	980	1140	987	957	661	983	534	361	702
28	824	844	660	900	1200	1100	968	654	862	462	355	714
29	880	755	700	840	---	825	951	678	808	392	370	766
30	894	694	740	800	---	878	916	663	784	366	376	759
31	913	---	760	780	---	1000	---	684	---	336	382	---
TOTAL	24459	25140	24857	24490	24200	29345	33387	24093	26192	16208	12479	17638
MEAN	789	838	802	790	864	947	1113	777	873	523	403	588
MAX	913	946	976	1040	1200	1180	1710	1210	1730	920	556	766
MIN	735	694	580	450	540	700	891	654	664	315	329	392
AC-FT	48510	49870	49300	48580	48000	58210	66220	47790	51950	32150	24750	34980

CAL YR 1974 TOTAL 302830 MEAN 830 MAX 1990 MIN 233 AC-FT 600700
WTR YR 1975 TOTAL 282488 MEAN 774 MAX 1730 MIN 315 AC-FT 560300

06790500 North Loup River near St. Paul, Nebr.

LOCATION.--Lat 41°15'35", long 98°26'50", in NW1/4NW1/4NE1/4 sec.22, T.15 N., R.10 W., Howard County, on right bank 310 ft (94 m) downstream from bridge on U.S. Highway 281, 3 mi (5 km) north of St. Paul, and 4 mi (6 km) upstream from confluence with Middle Loup River.

DRAINAGE AREA.--4,290 mi^2 (11,100 km^2), approximately, of which about 1,240 mi^2 (3,210 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to September 1915, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,759.29 ft (536.232 m), adjusted, above mean sea level. See WSP 1918 for history of changes prior to Oct. 1, 1954.

AVERAGE DISCHARGE.--68 years, 969 ft^3/s (27.44 m^3/s), 702,000 acre-ft/yr (0.866 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,560 ft^3/s (101 m^3/s) June 20, gage height, 5.13 ft (1.564 m); maximum gage height, 5.53 ft (1.686 m) Mar. 1,3, backwater from ice; minimum daily discharge, 203 ft^3/s (5.75 m^3/s) July 18.

Period of record: Maximum discharge, 90,000 ft^3/s (2,550 m^3/s), estimated, June 6, 1896, gage height, 14.9 ft (4.54 m), from floodmark, datum then in use; minimum daily since 1931, 85 ft^3/s (2.41 m^3/s) Aug. 8, 1941.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by diversions and ground-water withdrawals for irrigation and return flow from irrigated areas. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 976: 1942. WSP 1390: 1896. WRD Nebr. 1974: Drainage area. Revised figures of discharge, in cubic feet per second, for the water year 1974, superseding those published in WRD Nebr. 1974, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
1974		1974-Con.		1974-Con.		1974-Con.	
Jan. 17	940	Jan. 23	1,350	Jan. 28	1,100	Feb. 2	1,300
18	1,100	24	1,300	29	1,180	3	1,140
19	1,350	25	1,200	30	1,300	4	1,200
20	1,450	26	1,100	31	1,140	5	1,140
21	1,400	27	1,100	Feb. 1	1,200	6	1,000
22	1,400						

Month	Cfs-days	Maximum	Minimum	Mean	Runoff in acre-ft
January 1974	31,370	1,450	560	1,012	62,220
February 1974	32,478	1,850	760	1,160	64,420
WTR YR 1974	323,070	1,900	120	885	640,800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	844	1030	620	780	000	1250	1030	801	226	736	316	281
2	914	1050	660	880	920	1120	1080	845	718	688	310	328
3	886	1020	832	820	900	1040	1090	825	704	653	269	343
4	900	956	982	820	1080	1060	1030	875	729	235	357	363
5	928	900	1080	840	1140	1160	1040	913	710	236	316	450
6	956	858	1070	740	760	1100	1090	861	697	237	280	566
7	872	900	942	780	540	1060	1240	810	652	520	265	591
8	844	900	780	760	560	1040	1680	783	779	498	250	578
9	818	900	680	860	700	1020	1840	816	1030	457	251	576
10	830	914	799	720	740	1000	1720	833	1140	393	251	577
11	830	928	814	450	800	980	1530	1050	1040	358	246	584
12	830	942	1020	300	1020	960	1310	1430	967	334	242	618
13	806	956	1020	360	1160	900	227	1090	862	314	242	659
14	794	928	980	450	1200	920	1370	896	790	296	242	230
15	806	968	940	600	1220	980	1220	854	730	275	258	640
16	818	934	920	660	1200	1040	1110	807	225	246	263	657
17	818	916	940	900	1160	1160	1110	765	684	224	286	639
18	844	912	980	1080	1120	1320	1180	745	914	203	364	638
19	872	942	960	1020	1160	1530	235	681	942	228	358	623
20	886	897	900	1180	1120	1610	963	643	2000	352	334	601
21	844	900	880	1160	1120	1680	971	650	2720	346	316	584
22	830	900	820	1200	1160	1620	983	230	2450	405	300	593
23	830	911	940	1200	1200	1570	1090	693	1950	844	300	604
24	858	894	900	1180	1180	1400	1040	697	1570	1100	324	224
25	872	837	700	1220	1220	840	948	685	1200	770	346	657
26	914	853	620	1250	1250	860	934	689	1040	650	320	646
27	1020	799	560	1180	1300	1030	962	678	1580	592	319	656
28	970	841	600	1180	1350	1200	941	688	1010	538	322	701
29	1070	800	660	1120	---	1020	916	681	875	472	326	729
30	1050	640	760	1000	---	743	846	691	787	398	282	782
31	1070	---	800	940	---	812	---	677	---	334	349	---
TOTAL	27424	27126	26159	27630	29280	35025	'2726	24382	31721	13932	9204	16718
MEAN	885	904	844	891	1046	1130	1091	787	1057	449	297	557
MAX	1070	1050	1080	1250	1350	1680	1840	1430	2720	1100	364	782
MIN	794	640	560	300	540	743	227	230	225	203	242	224
AC-FT	54400	53800	51890	54800	58080	69470	64910	48360	62920	27630	18260	33160

CAL YR 1974 TOTAL 312691 MEAN 857 MAX 1900 MIN 120 AC-FT 620200
WTR YR 1975 TOTAL 301327 MEAN 826 MAX 2720 MIN 203 AC-FT 597700

06791500 Cedar River near Spalding, Nebr.

LOCATION.--Lat 41°42'41", long 98°26'48", in NE1/4NE1/4NE1/4 sec.15, T.20 N., R.10 W., Greeley County, on left bank 15 ft (5 m) downstream from bridge on county road, 0.4 mi (0.6 km) upstream from small tributary, and 4.7 mi (7.6 km) northwest of Spalding.

DRAINAGE AREA.--762 sq mi, approximately, of which about 50 mi² (130 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1944 to September 1953, October 1957 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,896.24 ft (577.974 m) above mean sea level. Prior to Jan. 4, 1961, at two sites 6.5 mi (10.5 km) upstream at different datum.

AVERAGE DISCHARGE.--27 years, 153 ft³/s (4.333 m³/s), 110,800 acre-ft/yr (0.137 km³/yr).

EXTREMES.--Current year: Maximum discharge, 495 ft³/s (14.0 m³/s) June 21, gage height, 4.58 ft (1.384 m); maximum gage height, 4.88 ft (1.487 m) Jan. 30, backwater from ice; minimum daily discharge, 56 ft³/s (1.59 m³/s) Oct. 25.

Period of record: Maximum discharge, 4,000 ft³/s (113 m³/s) June 23, 1947, gage height, 7.50 ft (2.286 m), site and datum then in use, from rating curve extended above 640 ft³/s (18.1 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 30 ft³/s (0.85 m³/s) Jan. 30, 1946.

REMARKS.--Records good except those for winter periods, which are poor. Low and medium flow regulated by powerplant 20 mi (32 km) above station. Powerplant operation discontinued Sept. 1, 1975.

REVISIONS.--WSD Nebr. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	162	139	104	155	185	136	81	129	154	128	117
2	125	139	147	110	175	220	169	161	128	136	139	89
3	118	157	150	120	160	138	155	156	154	151	140	116
4	120	126	138	110	170	175	159	153	155	107	129	114
5	123	118	127	120	150	182	162	151	153	127	117	120
6	118	123	125	110	160	175	159	145	140	146	114	129
7	118	140	125	140	155	177	164	129	138	138	144	129
8	108	126	120	130	155	166	180	133	167	142	122	125
9	120	142	110	130	145	161	215	117	202	132	124	122
10	106	140	140	110	135	161	241	139	182	119	109	121
11	115	114	155	116	140	155	155	171	175	123	120	120
12	101	149	131	145	150	159	152	138	177	127	121	121
13	119	135	131	130	160	147	161	126	152	124	117	123
14	130	151	136	130	135	176	219	175	151	119	126	126
15	84	125	181	130	180	188	152	146	144	126	122	124
16	134	137	154	135	140	163	158	140	148	126	120	128
17	134	161	141	150	180	185	176	143	156	122	132	129
18	116	136	146	175	165	181	169	143	187	123	156	126
19	123	217	138	150	175	188	174	108	208	130	144	126
20	96	156	140	190	170	170	162	135	312	140	116	124
21	96	140	150	180	210	173	189	144	365	119	107	121
22	192	156	135	145	200	187	167	141	361	184	118	120
23	198	74	136	165	145	154	174	122	301	217	123	122
24	87	125	138	195	165	145	154	162	283	297	121	123
25	56	134	120	170	185	135	166	143	217	214	93	124
26	111	134	130	170	160	140	138	142	248	140	123	127
27	102	133	140	145	138	150	151	142	202	132	121	129
28	136	129	130	155	156	140	165	138	186	148	112	132
29	132	133	140	170	---	107	118	145	166	147	118	136
30	156	136	130	170	---	162	152	150	164	127	130	136
31	135	---	130	155	---	199	---	138	---	131	125	---
TOTAL	3751	4140	4253	4455	4514	5144	4992	4357	5851	4468	3831	3699
MEAN	121	138	137	144	161	166	166	141	195	144	124	123
MAX	198	217	181	195	210	220	241	175	365	297	156	136
MIN	56	74	110	104	135	107	118	81	128	107	93	89
AC-FT	7440	8230	8440	8840	8950	10200	9900	8640	11610	8860	7600	7340

CAL YR 1974 TOTAL 52553 MEAN 144 MAX 279 MIN 56 AC-FT 104200
WTR YR 1975 TOTAL 53463 MEAN 146 MAX 365 MIN 56 AC-FT 106000

06792000 Cedar River near Fullerton, Nebr.

LOCATION.--Lat 41°23'45", long 98°00'15", in NE1/4NE1/4 sec.4, T.16 N., R.6 W., Nance County, near left bank on downstream side of pier of highway bridge, 3 mi (5 km) northwest of Fullerton and 7.2 mi (11.6 km), revised, upstream from mouth.

DRAINAGE AREA.--1,220 mi^2 (3,160 km^2), approximately, of which about 480 mi^2 (1,240 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--September 1931 to June 1932, October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,638.39 ft (499.381 m) above mean sea level. Prior to Nov. 5, 1942, nonrecording gage, Nov. 5, 1942, to June 23, 1947, water-stage recorder, June 24, 1947, to Apr. 6, 1948, nonrecording gage, Apr. 7, 1948, to Apr. 15, 1971, water-stage recorder, all at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--35 years (1940-75), 241 ft^3/s (6.825 m^3/s), 174,600 acre-ft/yr (0.215 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,160 ft^3/s (32.9 m^3/s) June 18, gage height, 4.04 ft (1.231 m); maximum gage height, 4.48 ft (1.366 m) Mar. 2, backwater from ice; minimum daily discharge, 54 ft^3/s (1.53 m^3/s) Aug. 26.

Period of record: Maximum discharge, 64,700 ft^3/s (1,830 m^3/s) Aug. 13, 1966, gage height, 16.90 ft (5.151 m), present datum, from high point on surge, from rating curve extended above 6,600 ft^3/s (187 m^3/s) on basis of flow-over-highway-embankment and contracted-opening measurement of peak flow; minimum daily, 30 ft^3/s (0.85 m^3/s) July 18, 1974.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by power developments, ground-water and surface-water withdrawals for irrigation, and return flow from irrigated areas. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1086: Drainage area. WSP 1390: 1932, 1941, 1943. WSP 1710: 1951(P), 1952(M), 1953, 1955(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	230	170	145	175	320	195	203	186	238	100	121
2	146	214	175	135	175	350	171	161	187	207	98	131
3	168	222	220	145	200	360	190	186	170	173	94	120
4	159	210	240	155	215	340	194	190	208	174	96	113
5	165	226	250	155	200	260	199	172	213	141	90	159
6	172	179	250	170	150	340	227	183	202	131	84	147
7	163	167	210	165	140	310	197	175	187	115	80	147
8	172	164	210	165	185	290	268	156	233	121	78	150
9	133	179	180	175	200	280	258	161	272	108	78	144
10	161	151	195	175	205	260	296	164	299	100	76	137
11	131	182	215	135	205	250	293	209	249	94	76	140
12	179	160	190	112	205	240	249	224	295	84	78	151
13	140	158	130	140	215	230	246	209	261	78	80	133
14	154	154	110	170	215	270	248	190	242	72	90	131
15	162	157	96	185	235	310	277	174	233	70	86	136
16	158	173	150	190	205	290	253	187	226	68	86	140
17	162	151	180	185	230	280	211	163	224	67	110	139
18	195	157	210	200	225	270	247	155	593	68	175	139
19	213	184	185	215	230	260	279	163	491	100	232	137
20	176	193	175	230	240	251	236	147	306	119	180	134
21	185	269	155	210	250	238	239	188	650	121	134	127
22	163	177	130	240	260	261	279	183	714	148	118	130
23	179	201	155	230	270	288	276	175	460	216	94	134
24	295	182	155	225	260	238	277	186	510	468	78	129
25	238	135	120	235	225	138	240	148	584	302	70	127
26	146	182	96	260	280	171	222	161	379	312	54	128
27	116	195	110	250	300	184	223	166	325	204	65	129
28	153	197	135	230	320	256	213	171	303	146	101	137
29	182	170	140	220	---	205	219	168	272	123	106	143
30	222	160	140	210	---	133	200	189	234	112	100	144
31	242	---	150	215	---	168	---	187	---	104	132	---
TOTAL	5366	5479	5227	5872	6215	8041	7122	5494	9708	4584	3119	4077
MEAN	173	183	169	189	222	259	237	177	324	148	101	136
MAX	295	269	250	260	320	360	296	224	714	468	232	159
MIN	116	135	96	112	140	133	171	147	170	67	54	113
AC-FT	10640	10870	10370	11650	12330	15950	14130	10900	19260	9090	6190	8090

CAL YR 1974 TOTAL 63009 MEAN 173 MAX 451 MIN 30 AC-FT 125000
WTR YR 1975 TOTAL 70304 MEAN 193 MAX 714 MIN 54 AC-FT 139400

PEAK DISCHARGE (BASE, 1,500 FT^3/S).--No peak above base.

06792500 Loup River power canal near Genoa, Nebr.

LOCATION.--Lat 41°25'03", long 97°47'37", in NE1/4NE1/4 sec.32, T.17 N., R.4 W., Nance County, at skimming weir on downstream end of settling basin on left bank, 2 mi (3 km) downstream from point of diversion and 3.5 mi (5.6 km) southwest of Genoa.

PERIOD OF RECORD.--December 1936 to current year.

GAGE.--Water-stage recorder and concrete weir. Datum of gage is 1,566.26 ft (477.396 m) above mean sea level. Prior to Oct. 1, 1956, at datum 3.0 ft (0.91 m) higher.

EXTREMES.--Current year: Maximum daily discharge, 3,110 ft^3/s (88.1 m^3/s) Apr. 14; minimum daily, 12 ft^3/s (0.34 m^3/s) Dec. 16.

Period of record: Maximum daily discharge, 3,410 ft^3/s (96.6 m^3/s) Apr. 27, 1944; no flow Aug. 16, 24-27, 30, 31, 1966, flood damage to canal being repaired.

REMARKS.--Records excellent. Canal diverts from Loup River in sec.6, T.16 N., R.4 W.; water is used in powerplants near Monroe and Columbus and is returned to Platte River 1.5 mi (2.4 km) downstream from Loup River. Diversion began Dec. 2, 1936.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	2720	105	187	2000	2070	1300	2090	1140	1970	479	588
2	1240	2330	129	98	1910	2060	93	1980	1170	1810	486	505
3	1330	2350	146	77	1970	2050	563	1880	1240	1690	781	538
4	1370	2310	420	235	2100	2040	2440	1820	1820	1540	962	633
5	1370	2110	411	192	2110	2010	2470	1630	1460	1370	922	747
6	1460	1790	1300	186	1870	2010	2220	1680	1290	1180	724	843
7	1420	1540	436	216	1450	2010	2420	1560	1220	1020	626	860
8	1400	1770	96	319	1350	1980	2960	1430	1370	938	546	880
9	1410	2110	56	556	1040	1960	2940	1400	1870	842	522	874
10	1410	2110	50	95	951	1980	3040	1480	2720	775	482	813
11	1350	2270	137	36	991	1930	3040	1580	2450	694	435	835
12	1430	2280	144	93	1140	2020	2860	1890	1970	635	383	850
13	1460	2130	651	431	1540	1990	2780	2240	1890	577	461	882
14	1450	2120	57	924	1830	2020	3110	1880	1590	521	562	891
15	1500	2240	19	942	1800	2050	3020	1620	1470	468	580	946
16	1460	2180	12	977	1810	1790	2680	1580	1350	420	570	948
17	1400	2040	22	1080	1990	1530	2590	1530	1310	375	587	963
18	1530	2120	52	1170	1950	1720	2810	1400	2320	343	702	953
19	1580	2120	40	1210	1930	1920	3040	1340	2980	361	800	942
20	1550	2130	32	1530	1930	1770	2850	1300	2890	567	742	947
21	1470	2220	29	2200	1980	2180	2570	1220	2860	710	623	1010
22	1430	2220	57	2240	2030	2840	2520	1560	2860	835	552	1020
23	1450	2150	64	2260	2020	2850	2630	1340	3010	1030	493	1010
24	1560	2270	41	2260	2070	2640	2770	1250	3070	2100	471	1000
25	1580	2180	27	2250	2140	74	2560	1230	3080	2260	460	974
26	1600	2160	19	2230	2090	54	2290	1220	2900	1490	504	993
27	1550	2070	15	2250	2010	983	2450	1180	2670	1190	446	1020
28	1800	2030	15	2250	2040	1860	2590	1220	2950	994	465	1040
29	1890	183	17	2240	---	1480	2550	1230	2510	759	491	1090
30	2060	110	39	2240	---	1060	2550	1170	2270	626	504	1170
31	2520	---	171	2130	---	1740	---	1160	---	528	551	---
TOTAL	47240	60363	4809	35104	50042	56671	74706	47090	63700	30618	17912	26765
MEAN	1524	2012	155	1132	1787	1828	2490	1519	2123	988	578	892
MAX	2520	2720	1300	2260	2140	2850	3110	2240	3080	2260	962	1170
MIN	1200	110	12	36	951	54	93	1160	1140	343	383	505
AC-FT	93700	119700	9540	69630	99260	112400	148200	93400	126300	60730	35530	53090

CAL YR 1974 TOTAL 542424 MEAN 1486 MAX 2990 MIN 12 AC-FT 1076000
WTR YR 1975 TOTAL 515020 MEAN 1411 MAX 3110 MIN 12 AC-FT 1022000

06793000 Loup River near Genoa, Nebr.

LOCATION.--Lat 41°25'05", long 97°43'28", in SE1/4NW1/4 sec.25, T.17 N., R.4 W., Nance County, on right bank 300 ft (91 m) upstream from bridge on State Highway 39, 2 mi (3 km) south of Genoa, 3 mi (5 km) upstream from Beaver Creek, and 6 mi (10 km) downstream from diversion dam of Loup River Public Power District.

DRAINAGE AREA.--14,400 mi² (37,300 km²), approximately, of which about 5,650 mi² (14,600 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--August 1928 to June 1932, October 1943 to current year (October 1953 to April 1955, monthly discharge only).

GAGE.--Water-stage recorder. Datum of gage is 1,540.13 ft (469.432 m) above mean sea level, unadjusted. Aug. 17, 1928, to June 30, 1932, nonrecording gage at datum 1.49 ft (0.454 m) higher. Oct. 1, 1943 to Sept. 16 1974 (Apr. 26 to Dec. 22, 1949, wire-weight gage only) at site 300 ft (90 m) downstream at present datum.

EXTREMES.--Current year: Maximum discharge, 7,020 ft³/s (199 m³/s) June 22, gage height, 8.16 ft (2.487 m); maximum gage height, 8.36 ft (2.548 m) Mar. 3, backwater from ice; no flow Oct. 1-24.
Period of record: Maximum discharge, 129,000 ft³/s (3,650 m³/s) Aug. 13, 1966, gage height, 13.93 ft (4.246 m), from rating curve extended above 42,000 ft³/s (1,190 m³/s) on basis of indirect measurement of peak flow; no flow at times during 1956, 1959, 1961, 1963, 1970, 1973, 1974, 1975.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records do not include flow of Loup River power canal which diverts at point 6 mi (10 km) upstream and returns to Platte River below mouth of Loup River; diversion began Dec. 2, 1936. (See preceding page.)

REVISIONS.--WSP 1086: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	23	1500	1350	360	420	400	29	12	52	3.8	4.8
2	0	185	1400	1400	300	410	1500	24	19	39	7.8	4.3
3	0	180	1500	1450	250	400	1000	24	6.8	33	6.5	12
4	0	22	1600	1200	230	390	40	20	9.6	32	7.2	19
5	0	60	1700	1250	210	450	30	20	9.1	31	4.3	31
6	0	67	700	1300	200	500	100	21	6.8	25	2.5	30
7	0	67	1600	1200	185	480	200	24	6.0	19	2.0	35
8	0	56	1500	1100	170	460	312	35	12	14	1.5	44
9	0	22	1400	840	155	450	384	50	22	15	1.5	38
10	0	17	1300	1400	135	430	296	102	70	14	1.8	51
11	0	16	1800	1000	120	420	312	93	28	12	1.8	60
12	0	19	2000	800	125	410	166	39	11	12	1.2	58
13	0	64	1100	500	130	390	102	28	4.9	11	1.8	61
14	0	72	1800	100	135	400	280	22	4.0	10	1.6	59
15	0	31	1700	80	140	450	115	20	1.2	8.1	1.5	68
16	0	16	1600	90	145	600	102	19	3.7	5.9	1.8	76
17	0	15	1700	200	150	1100	72	16	1.2	4.9	1.7	76
18	0	18	1800	300	155	1000	96	15	61	3.3	2.0	79
19	0	14	1750	350	160	1950	112	22	2100	4.6	2.6	79
20	0	19	1700	400	165	1380	102	34	93	8.3	2.0	74
21	0	18	1700	420	170	609	81	42	1760	13	1.7	64
22	0	15	1800	440	200	65	55	48	6060	11	1.6	51
23	0	12	1850	460	180	68	139	39	2900	19	1.5	33
24	0	12	1750	480	200	250	72	42	1220	33	1.5	21
25	16	12	1650	500	250	2700	133	34	632	140	1.6	17
26	34	12	1700	520	300	2000	128	31	151	16	1.5	14
27	39	13	1750	540	350	1300	133	19	78	3.7	1.2	12
28	43	29	1800	520	440	900	99	27	84	2.6	.62	12
29	54	1900	1750	500	---	1500	68	23	67	1.9	1.5	12
30	55	1700	1700	480	---	800	47	26	59	1.7	3.9	13
31	23	---	1650	430	---	250	---	22	---	1.7	5.2	---
TOTAL	264	4706	50250	21600	5710	22932	6675	1010	15492.3	597.7	78.72	1208.1
MEAN	8.52	157	1621	697	204	740	223	32.6	516	19.3	2.54	40.3
MAX	55	1900	2000	1450	440	2700	1500	102	6060	140	7.8	79
MIN	0	12	700	80	120	65	30	15	1.2	1.7	.62	4.3
AC-FT	524	9330	99670	42840	11330	45490	13240	2000	30730	1190	156	2400

CAL YR 1974 TOTAL 131048.89 MEAN 359 MAX 5780 MIN 0 AC-FT 259900
WTR YR 1975 TOTAL 130523.82 MEAN 358 MAX 6060 MIN 0 AC-FT 258900

06794000 Beaver Creek at Genoa, Nebr.

LOCATION.--Lat 41°26'32", long 97°44'11", in NE1/4SE1/4 sec.14, T.17 N., R.4 W., Nance County, on left bank in city park at southwest corner at Genoa, 0.2 mi (0.3 km) downstream from Union Pacific Railroad bridge, 0.2 mi (0.3 km) upstream from bridge on State Highway 39, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--647 mi^2 (1,676 km^2), of which about 410 mi^2 (1,062 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,542.13 ft (470.041 m) above mean sea level, unadjusted. October 1940 to Nov. 5, 1942, nonrecording gage and Nov. 6, 1942, to Nov. 1, 1955, water-stage recorder, at site 0.4 mi (0.6 km) upstream at datum 4.62 ft (1.408 m) higher.

AVERAGE DISCHARGE.--35 years, 126 ft^3/s (3.568 m^3/s), 91,290 acre-ft/yr (0.113 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,600 ft^3/s (45.3 m^3/s) June 21, gage height, 8.34 ft (2.542 m); minimum daily, 21 ft^3/s (0.59 m^3/s) Aug. 9, 10.

Period of record: Maximum discharge, 21,200 ft^3/s (600 m^3/s) July 19, 1950, gage height, 18.70 ft (5.700 m), site and datum then in use, from rating curve extended above 8,500 ft^3/s (241 m^3/s); minimum daily, 0.41 ft^3/s (0.012 m^3/s) July 25, 1974.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected slightly by ground-water and surface-water withdrawals for irrigation. At times diurnal fluctuation at low flow caused by powerplants above station.

REVISIONS (WATER YEARS).--WSP 1310: 1942(M). WRD Nebr. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	81	50	64	76	90	104	105	69	118	43	28
2	45	81	60	70	84	86	102	97	67	105	42	34
3	47	70	72	68	84	84	97	95	68	97	39	34
4	49	69	74	64	80	100	98	97	72	87	40	39
5	50	69	76	60	74	130	100	108	70	80	36	41
6	51	68	64	66	70	120	108	104	70	73	31	42
7	52	67	58	74	64	110	121	94	68	66	27	46
8	52	66	49	80	56	106	120	91	79	60	22	45
9	54	67	80	84	47	110	145	86	87	49	21	44
10	55	66	84	60	49	110	201	97	81	41	21	43
11	56	67	80	40	52	104	184	111	87	38	22	41
12	55	66	84	44	54	96	172	98	78	34	23	41
13	57	65	82	50	54	79	152	122	76	27	35	40
14	57	65	82	60	52	81	128	102	74	26	37	42
15	60	64	84	70	52	86	130	91	72	24	27	44
16	59	64	82	80	54	88	163	90	87	23	31	45
17	59	64	82	90	56	102	138	83	113	23	45	47
18	60	64	84	96	58	121	124	79	540	23	110	49
19	60	63	80	80	56	145	113	78	360	23	68	45
20	60	63	78	74	62	147	130	74	153	28	63	41
21	60	63	80	80	80	136	146	70	675	36	58	41
22	60	63	90	88	78	130	154	74	990	40	52	43
23	64	63	84	98	76	120	218	70	805	251	46	45
24	63	61	76	100	80	109	162	73	654	797	42	45
25	65	62	70	100	84	86	142	73	529	224	39	45
26	64	60	74	94	90	74	129	68	298	171	36	45
27	63	63	78	88	96	110	140	66	224	131	30	46
28	64	60	76	84	100	114	243	66	183	86	27	48
29	68	50	74	78	---	127	116	67	162	68	26	50
30	76	41	72	74	---	125	126	73	135	52	27	53
31	82	---	74	70	---	109	---	70	---	44	27	---
TOTAL	1812	1935	2333	2328	1918	3335	4206	2672	7026	2945	1193	1292
MEAN	58.5	64.5	75.3	75.1	68.5	108	140	86.2	234	95.0	38.5	43.1
MAX	82	81	90	100	100	147	243	122	990	797	110	53
MIN	45	41	49	40	47	74	97	66	67	23	21	28
AC-FT	3590	3840	4630	4620	3800	6610	8340	5300	13940	5840	2370	2560

CAL YR 1974 TOTAL 28369.71 MEAN 77.7 MAX 346 MIN .41 AC-FT 56270
WTR YR 1975 TOTAL 32995.00 MEAN 90.4 MAX 990 MIN 21 AC-FT 65450

PEAK DISCHARGE (BASE, 1,100 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-18	1200	7.07	1,100	7-24	0830	7.28	1,180
6-21	2245	8.34	1,600				

06794500 Loup River at Columbus, Nebr.

LOCATION.--Lat 41°25'05", long 97°21'45", in SE1/4NW1/4 sec.30, T.17 N., R.1 E., Platte County, on left bank 1,250 ft (381 m) downstream from bridge on U.S. Highway 30 at Columbus, 3.5 mi (5.6 km) upstream from mouth, and 14 mi (23 km) downstream from Looking-glass Creek.

DRAINAGE AREA.--15,200 mi² (39,400 km²), approximately, of which about 6,230 mi² (16,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to September 1915 (published as "near Columbus" 1900-1901), March to September 1931, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,428.29 ft (435.343 m) above mean sea level, unadjusted. See WSP 2118 for history of changes prior to June 15, 1967.

EXTREMES.--Current year: Maximum discharge, 10,100 ft³/s (286 m³/s) June 22, gage height, 6.51 ft (1.984 m); maximum gage height, 7.46 ft (2.274 m) Jan. 11, backwater from ice; minimum daily discharge, 29 ft³/s (0.82 m³/s) Sept. 1.

Period of record: Maximum discharge, 119,000 ft³/s (3,370 m³/s) Aug. 14, 1966, gage height, 14.42 ft (4.395 m), present site and datum, from rating curve extended above 52,100 ft³/s (1,480 m³/s) by logarithmic plotting and volumetric study; minimum daily, 9.4 ft³/s (0.27 m³/s) July 30, 1974.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records do not include flow of Loup River power canal which diverts at point 25 mi (40 km) upstream and returns to Platte River below mouth of Loup River; diversion began Dec. 2, 1936. (See sta 06792500.)

REVISIONS (WATER YEARS).--WSP 956: 1937-41. WSP 1086: Drainage area. WSP 1390: 1895, 1897, 1900-1901, 1915, 1941(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	139	1800	1900	600	640	400	239	124	302	109	29
2	63	164	1850	1600	500	620	600	208	119	284	85	30
3	66	199	1800	1650	450	600	1700	199	109	230	75	83
4	69	191	1700	1700	400	580	888	170	144	200	68	145
5	68	117	1600	1400	360	560	162	157	170	162	64	165
6	74	157	1400	1500	330	600	113	165	130	142	62	126
7	77	166	760	1600	320	640	200	149	95	82	55	96
8	77	174	1650	1550	300	620	242	141	271	182	56	108
9	74	178	1550	1300	280	600	640	149	570	114	50	124
10	75	144	1500	1100	250	580	891	176	332	114	48	88
11	79	129	1400	1600	235	560	899	305	410	90	39	110
12	79	121	1900	1200	220	500	661	264	338	87	45	94
13	83	132	2000	1000	230	500	336	223	302	85	93	92
14	87	151	1200	640	235	480	313	208	278	82	52	106
15	87	175	1900	250	240	500	826	174	254	77	49	117
16	85	157	1800	200	245	560	338	159	266	72	72	144
17	85	130	1700	220	250	680	287	151	266	69	65	130
18	85	118	2050	350	260	1300	261	151	2100	46	81	117
19	86	116	2100	450	260	1250	312	146	3820	85	95	102
20	85	111	2050	480	270	2000	333	124	1190	98	68	98
21	85	116	1950	560	280	1990	294	125	2740	57	59	90
22	85	111	2000	600	270	563	260	243	8900	118	57	82
23	85	110	2100	620	310	300	344	215	6180	170	54	83
24	86	106	2200	660	290	200	420	159	2340	754	52	72
25	85	109	2000	720	330	360	244	172	2150	727	49	69
26	85	110	1900	760	380	2800	181	163	1260	333	49	65
27	85	117	1950	800	440	2050	308	130	571	218	43	73
28	85	116	2000	860	500	1800	575	186	484	155	43	74
29	111	580	2050	820	---	1500	372	138	478	124	43	73
30	128	1900	2000	780	---	1300	264	125	333	98	42	91
31	150	---	1950	700	---	450	---	124	---	82	36	---
TOTAL	2614	6344	55810	29570	9035	27683	13664	5438	36724	5439	1854	2876
MEAN	84.3	211	1800	954	323	893	455	175	1224	175	59.8	95.9
MAX	150	1900	2200	1900	600	2800	1700	305	8900	754	109	165
MIN	60	106	760	200	220	200	113	124	95	46	36	29
AC-FT	5180	12580	110700	58650	17920	54910	27100	10790	72840	10790	3680	5700

CAL YR 1974 TOTAL 180093.4 MEAN 493 MAX 3240 MIN 9.4 AC-FT 357200
WTR YR 1975 TOTAL 197051.0 MEAN 540 MAX 8900 MIN 29 AC-FT 390900

06795500 Shell Creek near Columbus, Nebr.

LOCATION.--Lat 41°31'33", long 97°16'55", in SE1/4NW1/4 sec.23, T.18 N., R.1 E., Platte County, on right bank 80 ft (24 m) upstream from county road bridge, 1 mi (2 km) upstream from Loseke Creek, and 7 mi (11 km) northeast of Columbus.

DRAINAGE AREA.--270 mi² (700 km²), approximately.

PERIOD OF RECORD.--August 1947 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 1,435 ft (437.4 m), from topographic map.

AVERAGE DISCHARGE.--28 years, 42.4 ft³/s (1.201 m³/s), 30,720 acre-ft/yr (37.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,100 ft³/s (31.2 m³/s) June 19, gage height, 13.20 ft (4.023 m); minimum daily, 3.0 ft³/s (0.085 m³/s) July 19.
Period of record: Maximum discharge, 5,970 ft³/s (169 m³/s) June 3, 1950, gage height, 21.39 ft (6.517 m); minimum daily, 0.4 ft³/s (0.011 m³/s) July 27, 1954.
Flood of June 2, 1947, reached a stage of 21.7 ft (6.61 m), from floodmark, discharge, 4,600 ft³/s (130 m³/s).

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	17	6.0	9.2	11	12	21	25	9.0	28	15	6.8
2	4.1	11	6.2	9.8	12	12	20	20	8.7	24	14	5.5
3	4.4	7.9	6.6	9.6	13	13	20	18	9.6	22	12	5.1
4	5.2	6.1	7.0	9.6	12	13	22	17	9.4	19	13	6.4
5	5.1	5.2	7.6	9.8	11	14	25	16	9.2	17	12	5.9
6	5.0	5.2	7.4	9.6	11	13	32	15	9.3	15	9.4	5.1
7	5.0	5.6	7.4	10	11	13	30	15	9.3	14	8.8	5.8
8	7.2	5.3	7.0	11	10	13	37	14	12	14	8.0	5.7
9	5.2	5.5	8.6	11	8.2	14	54	13	30	14	7.8	5.3
10	4.9	5.8	10	8.4	9.4	13	45	13	111	19	7.7	5.1
11	5.5	5.8	11	6.0	9.0	13	31	14	30	13	7.5	4.9
12	5.5	5.9	10	8.0	8.8	12	24	14	18	10	8.8	5.0
13	6.3	6.0	9.4	9.0	8.8	11	21	15	15	6.5	9.4	4.8
14	5.5	5.6	9.0	9.6	9.4	18	21	14	13	4.8	9.9	4.9
15	4.7	5.8	9.0	10	9.8	22	27	13	12	4.2	10	5.1
16	4.3	5.7	8.6	9.4	9.8	24	28	13	11	4.2	8.7	5.1
17	4.7	5.8	8.4	11	11	23	23	12	12	4.1	7.4	5.3
18	5.6	5.9	9.2	12	10	35	20	11	245	3.4	7.0	5.3
19	5.2	6.1	9.0	11	9.4	50	23	11	1050	3.0	6.8	5.1
20	5.6	7.0	9.0	10	9.6	45	30	11	303	7.7	7.8	4.7
21	5.8	7.0	8.6	11	10	42	22	10	81	11	6.9	4.7
22	7.0	6.7	9.6	12	9.8	40	19	11	477	30	6.6	4.5
23	6.0	6.7	9.2	13	9.6	30	38	20	591	191	6.4	4.7
24	5.5	5.9	8.8	14	10	27	51	14	224	564	6.5	5.0
25	5.6	6.3	8.4	13	11	25	32	11	234	546	5.7	4.8
26	5.4	5.6	9.0	13	10	25	26	11	82	85	6.3	4.7
27	5.7	6.6	9.2	12	11	26	32	9.6	76	29	6.8	4.5
28	5.7	6.4	9.0	12	13	25	116	10	44	19	5.7	6.0
29	7.9	6.2	8.8	12	---	24	98	9.7	37	15	5.8	4.8
30	8.6	6.0	8.6	11	---	28	39	9.3	32	14	6.1	5.2
31	16	---	9.4	11	---	22	---	9.2	---	14	7.3	---
TOTAL	182.2	197.6	265.0	328.0	288.6	697	1027	418.8	3803.5	1764.9	261.1	155.8
MEAN	5.88	6.59	8.55	10.6	10.3	22.5	34.2	13.5	127	56.9	8.42	5.19
MAX	16	17	11	14	13	50	116	25	1050	564	15	6.8
MIN	4.0	5.2	6.0	6.0	8.2	11	19	9.2	8.6	3.0	5.7	4.5
AC-FT	361	392	526	651	572	1380	2040	831	7540	3500	518	309

CAL YR 1974 TOTAL 5922.1 MEAN 16.2 MAX 159 MIN 1.7 AC-FT 11750
WTR YR 1975 TOTAL 9389.5 MEAN 25.7 MAX 1050 MIN 3.0 AC-FT 18620

PEAK DISCHARGE (BASE, 700 FT³/S).--June 19 (1300) 1,100 ft³/s (13.20 ft); June 23 (0030) 886 ft³/s (11.86 ft).

06796000 Platte River at North Bend, Nebr.

LOCATION.--Lat 41°27'10", long 96°45'50", in SE1/4 sec.7, T.17 N., R.6 E., Dodge County, on left bank 30 ft (9 m) upstream from bridge on State Highway 79, 1 mi (2 km) south of North Bend, and 5 mi (8 km) downstream from Shell Creek.

DRAINAGE AREA.--81,100 mi² (210,000 km²), approximately, of which about 63,300 mi² (163,900 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,262.32 ft (384.755 m) above mean sea level. Prior to Sept. 12, 1951, nonrecording gage and Sept. 12, 1951, to Sept. 30, 1970, water-stage recorder, at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--26 years, 4,048 ft³/s (114.6 m³/s), 2,933,000 acre-ft/yr (3.62 km³/yr).

EXTREMES.--Current year: Maximum discharge, 16,500 ft³/s (467 m³/s) June 24, gage height, 6.62 ft (2.018 m); minimum daily, 300 ft³/s (8.50 m³/s) Aug. 28.

Period of record: Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 29, 1960, gage height, 10.04 ft (3.060 m), present datum; maximum gage height, 12.24 ft (3.731 m) Feb. 20, 1971, ice jam; minimum daily discharge, 36 ft³/s (1.02 m³/s) July 29, 1974.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses, water temperatures, and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	846	4350	1600	2500	4200	4700	2980	5020	1850	6080	940	380
2	1370	4400	2000	2500	4600	4500	2180	4510	1690	5360	892	450
3	1050	4450	2500	2800	4600	4100	3520	4530	1610	4720	970	560
4	1840	4500	2900	2400	4300	4700	5080	3570	2040	4200	957	640
5	2080	3280	3530	2800	3800	5200	4670	4430	3010	4160	1040	720
6	1960	3600	4240	2700	2900	5400	5270	2600	2460	2740	866	918
7	1300	2470	5650	2800	3300	5200	4360	3450	2230	1880	866	1050
8	2410	2550	3800	3000	2900	4800	4770	2890	2330	1950	905	1000
9	1470	2350	3100	2800	1900	5200	5710	2950	2930	2220	1010	1160
10	1390	3680	2800	2500	2100	5200	6020	2590	4240	1920	818	1190
11	2080	3360	2620	2200	2100	5400	5650	3520	5520	1200	1020	1090
12	1320	3360	3270	2000	2000	5000	6210	2970	4500	1270	920	1100
13	1690	2990	3980	1800	2000	4700	5480	3060	3620	1290	860	1160
14	1630	3720	4050	2000	2700	4500	5250	3530	4100	1050	840	1390
15	1600	3020	4130	2400	3200	5200	5510	3720	2990	1000	1040	1200
16	2710	2780	2950	2300	3600	7400	6010	2430	3420	983	1040	1270
17	1520	3280	2480	2900	4000	10700	5280	2460	2470	900	940	1690
18	2020	2640	2200	3500	3900	12800	5040	2940	4270	800	940	1370
19	2290	2570	2400	3300	3500	11800	4400	1940	8320	740	944	1220
20	1900	2820	2700	3500	3700	7320	5530	2240	9350	680	1240	1590
21	2600	3600	2700	4000	4000	5590	6040	2000	6610	853	1010	1590
22	1630	3720	3000	3900	4300	5170	5770	2370	10700	1290	840	1490
23	1990	3240	3600	3900	4100	4730	5030	2480	14100	1750	640	1220
24	1520	3960	3400	4900	4000	4970	4730	2480	12700	2240	540	1410
25	1750	3880	3100	5000	4800	3230	3890	2370	12400	3590	450	1490
26	2350	3430	3300	5100	4600	2910	5290	2290	10600	4170	380	1370
27	1660	2530	3300	5000	4400	4080	5470	2050	9420	2590	330	1530
28	2260	2000	3200	4900	4600	4580	7820	2070	8800	2030	300	1570
29	2680	1600	3100	4900	---	4690	7090	1810	7240	1160	420	1610
30	3400	1200	2800	5000	---	4060	5270	2350	6680	1190	370	1730
31	4000	---	2600	4700	---	3540	---	1410	---	1000	360	---
TOTAL	60396	95330	97000	104000	100100	171370	155320	89030	172200	67006	24788	36158
MEAN	1948	3178	3129	3355	3575	5528	5177	2872	5740	2161	800	1205
MAX	4000	4500	5650	5100	4800	12800	7820	5020	14100	6080	1240	1730
MIN	846	1200	1600	1800	1900	2910	2180	1410	1610	680	300	380
AC-FT	119800	189100	192400	206300	198500	339900	308100	176600	341600	132900	49170	71720

CAL YR 1974 TOTAL 1686245 MEAN 4620 MAX 18000 MIN 36 AC-FT 3345000

WTR YR 1975 TOTAL 1172698 MEAN 3213 MAX 14100 MIN 300 AC-FT 2326000

06797500 Elkhorn River at Ewing, Nebr.

LOCATION.--Lat 42°16'03", long 98°20'11", in NW1/4SW1/4 sec.35, T.27 N., R.9 W., Holt County, on right bank 350 ft (107 m) downstream from bridge on State Highway 420, 0.8 mi (1.3 km) north of Ewing, and 1.5 mi (2.4 km) upstream from South Fork Elkhorn River.

DRAINAGE AREA.--1,400 mi^2 (3,630 km^2), approximately, of which about 740 mi^2 (1,920 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--August 1947 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,836 ft (559.6 m), from topographic map. Prior to Oct. 22, 1952, at site 300 ft (90 m) upstream at same datum.

AVERAGE DISCHARGE.--28 years, 173 ft^3/s (4.899 m^3/s), 125,300 acre-ft/yr (0.154 km^3/yr); median of yearly mean discharges, 110 ft^3/s (3.115 m^3/s), 79,700 acre-ft/yr (98.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 324 ft^3/s (9.18 m^3/s) Apr. 9, gage height, 4.25 ft (1.295 m); minimum daily, 8.0 ft^3/s (0.23 m^3/s) Sept. 1,3,4,20,24.
Period of record: Maximum discharge, 7,500 ft^3/s (212 m^3/s) June 10, 1962, gage height, 10.60 ft (3.231 m); minimum daily, 5.7 ft^3/s (0.16 m^3/s) Aug. 25, 1968.
Maximum stage known, 11.32 ft (3.450 m) June 23, 24, 1947, from floodmark at site 300 ft (90 m) upstream, discharge, 6,600 ft^3/s (187 m^3/s).

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	42	28	41	20	70	80	95	49	105	26	8.0
2	16	41	34	40	21	68	74	95	49	90	26	9.2
3	18	41	42	38	22	78	70	104	48	79	25	8.0
4	21	41	48	37	21	82	110	105	51	69	23	8.0
5	21	40	50	40	20	90	155	98	49	60	21	11
6	22	40	52	38	19	84	172	87	44	58	17	11
7	22	41	44	40	18	80	183	82	43	52	16	12
8	23	41	34	41	17	74	230	79	50	59	14	11
9	23	41	38	40	17	80	304	76	78	66	13	11
10	24	41	40	20	17	74	301	78	95	55	12	9.2
11	25	41	41	22	17	84	285	90	95	51	12	8.6
12	25	39	42	23	16	70	282	90	85	44	11	9.2
13	25	40	42	24	16	60	257	87	76	42	13	9.2
14	27	40	41	23	16	58	237	81	79	40	13	9.2
15	26	40	39	22	17	66	222	75	84	37	12	9.2
16	28	40	36	21	18	90	202	72	89	33	21	9.2
17	29	41	35	23	18	121	188	68	84	30	21	9.2
18	30	42	40	25	19	133	188	65	102	28	22	8.6
19	30	43	42	19	19	153	185	63	102	29	22	8.6
20	30	41	42	20	23	165	165	60	123	30	21	8.0
21	30	41	41	20	30	140	150	59	151	36	19	8.6
22	33	41	43	20	29	134	132	63	222	46	18	8.6
23	31	41	40	20	29	126	132	61	218	43	17	8.6
24	32	40	37	19	36	100	126	58	188	42	15	8.0
25	34	40	34	19	47	60	123	54	179	39	13	8.6
26	34	40	37	19	45	66	116	52	183	35	11	8.6
27	35	42	39	19	66	80	112	52	183	32	11	8.6
28	37	34	39	20	74	80	107	53	164	29	9.9	9.9
29	41	22	37	20	---	82	102	52	141	27	9.9	11
30	43	21	35	20	---	84	97	50	123	24	9.2	12
31	45	---	42	20	---	86	---	49	---	23	8.6	---
TOTAL	875	1178	1234	813	727	2818	5087	2253	3227	1433	502.6	279.9
MEAN	28.2	39.3	39.8	26.2	26.0	90.9	170	72.7	108	46.2	16.2	9.33
MAX	45	43	52	41	74	165	304	105	222	105	26	12
MIN	15	21	28	19	16	58	70	49	43	23	8.6	8.0
AC-FT	1740	2340	2450	1610	1440	5590	10090	4470	6400	2840	997	555

CAL YR 1974 TOTAL 32231.8 MEAN 88.3 MAX 278 MIN 8.5 AC-FT 63930
WTR YR 1975 TOTAL 20427.5 MEAN 56.0 MAX 304 MIN 8.0 AC-FT 40520

PEAK DISCHARGE (BASE, 500 FT^3/S).--No peak above base.

06798500 Elkhorn River at Neligh, Nebr.

LOCATION.--Lat 42°07'20", long 98°01'40", in sec.20, T.25 N., R.6 W., Antelope County, on right bank 30 ft (9 m) (revised) downstream from bridge on old State Highway 14 at Neligh.

DRAINAGE AREA.--2,200 mi^2 (5,700 km^2), approximately, of which about 1,200 mi^2 (3,110 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1930 to September 1958, August 1960 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE(REVISED).--Water-stage recorder. Datum of gage is 1,713.88 ft (522.391 m) above mean sea level. Prior to Apr. 16, 1933, nonrecording gage at site 10 ft (3 m) downstream at present datum. Apr. 16, 1933, to Jan. 23, 1939, nonrecording gage at bridge 30 ft (3 m) upstream at present datum. Jan. 24, 1939 to Oct. 9, 1958 and Aug. 8, 1960 to Sept. 8, 1970 water-stage recorder at site 20 ft (6 m) upstream at present datum.

AVERAGE DISCHARGE.--43 years, 282 ft^3/s (7.986 m^3/s), 204,300 acre-ft/yr (0.252 km^3/yr); median of yearly mean discharges, 230 ft^3/s (6.514 m^3/s), 167,000 acre-ft/yr (0.206 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 914 ft^3/s (25.9 m^3/s) June 22, gage height, 5.03 ft (1.533 m); minimum daily, 45 ft^3/s (1.27 m^3/s) Sept. 3,4.

Period of record: Maximum discharge, about 12,000 ft^3/s (340 m^3/s) June 23, 1947, gage height, 12.53 ft (3.819 m), from main channel rating curve extended above 4,900 ft^3/s (139 m^3/s) and field estimate of flow through break in highway fill; minimum daily, 12 ft^3/s (0.34 m^3/s) July 2, 1932.

Flood of Mar. 29, 1960, reached a stage of 12.24 ft (3.731 m), from floodmark, discharge, 12,300 ft^3/s (348 m^3/s).

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS (WATER YEARS).--WSP 1006: 1935, 1942. WSP 1390: 1931-32, 1937(M). WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	155	110	130	118	300	220	201	133	239	87	47
2	70	150	125	125	120	320	233	212	138	206	92	52
3	74	145	135	130	125	300	242	259	133	180	85	45
4	81	145	155	115	125	260	288	252	145	162	79	45
5	79	140	160	125	110	270	352	242	152	148	75	79
6	82	140	150	120	96	320	360	224	138	135	66	77
7	83	140	135	125	104	260	396	204	125	128	60	66
8	88	130	110	130	104	290	512	196	142	120	58	60
9	87	130	130	120	104	240	659	188	192	178	62	60
10	91	130	150	86	100	230	745	199	198	155	62	60
11	93	130	160	100	100	230	611	259	215	135	60	54
12	91	120	150	120	100	200	527	249	209	120	58	54
13	96	125	150	130	104	210	517	227	188	115	62	58
14	100	130	150	125	104	230	498	215	185	110	66	56
15	100	130	140	130	112	230	452	199	200	103	66	58
16	105	125	140	130	125	240	420	183	198	94	101	62
17	110	125	125	130	140	280	392	175	192	81	108	62
18	110	130	140	130	155	300	392	168	257	77	103	56
19	112	130	135	140	170	290	420	163	336	105	118	50
20	115	130	130	140	180	300	396	153	595	180	105	54
21	115	128	130	145	190	290	376	145	625	145	92	62
22	118	131	140	145	210	270	332	158	843	158	87	62
23	120	130	135	140	210	250	323	160	717	188	81	62
24	125	127	130	150	210	210	307	148	580	160	69	62
25	127	130	120	150	210	140	284	138	520	138	58	62
26	130	125	125	150	240	200	263	130	444	125	58	64
27	135	125	130	150	260	250	266	123	400	113	58	73
28	140	120	130	140	280	250	277	168	376	105	58	87
29	152	115	125	130	---	260	239	158	344	96	58	85
30	158	90	120	125	---	270	212	143	284	85	58	83
31	160	---	130	125	---	280	---	135	---	81	52	---
TOTAL	3312	3901	4195	4031	4206	7970	11511	5774	9204	4165	2302	1857
MEAN	107	130	135	130	150	257	384	186	307	134	74.3	61.9
MAX	160	155	160	150	280	320	745	259	843	239	118	87
MIN	65	90	110	86	96	140	212	123	125	77	52	45
AC-FT	6570	7740	8320	8000	8340	15810	22830	11450	18260	8260	4570	3680

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CAL YR 1974  TOTAL  76757   MEAN 210   MAX 672   MIN 36   AC-FT  152200
WTR YR 1975  TOTAL  62428   MEAN 171   MAX 843   MIN 45   AC-FT  123800
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PEAK DISCHARGE (BASE, 1,000 FT^3/S).--No peak above base.

06799000 Elkhorn River near Norfolk, Nebr.

LOCATION.--Lat 42°00'20", long 97°28'40", in SW1/4 sec.31, T.24 N., R.1 W., Madison County, on left bank 75 ft (23 m) downstream from bridge on county road, 3.5 mi (5.6 km) west-southwest of Norfolk, and 7 mi (11 km) upstream from North Fork Elkhorn River.

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately, of which about 1,790 mi² (4,640 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July 1896 to November 1903 (no winter records), October 1945 to current year. Gage height records collected at site 3.2 mi (5.1 km) downstream since May 1881 are contained in reports of U.S. Weather Bureau. Published as "at Norfolk" prior to October 1957.

GAGE.--Water-stage recorder. Datum of gage is 1,522.83 ft (464.159 m) above mean sea level. See WSP 1918 for history of changes prior to Aug. 30, 1958.

AVERAGE DISCHARGE.--30 years, 505 ft³/s (14.30 m³/s), 365,900 acre-ft/yr (0.451 km³/yr); median of yearly mean discharges, 420 ft³/s (11.89 m³/s), 304,000 acre-ft/yr (0.375 km³/yr).

EXTREMES.--Current year: Maximum discharge, 2,040 ft³/s (57.8 m³/s) June 20, gage height, 4.02 ft (1.225 m); maximum gage height, 4.30 ft (1.311 m) Mar. 8, backwater from ice; minimum daily discharge, 95 ft³/s (2.69 m³/s) Aug. 29, Sept. 3, 4.

Period of record: Maximum discharge, 16,900 ft³/s (479 m³/s) June 14, 1967, gage height, 8.52 ft (2.597 m); maximum gage height observed, 13.63 ft (4.154 m) Mar. 11, 1949, site and datum then in use, backwater from ice; minimum daily discharge, 50 ft³/s (1.42 m³/s) Aug. 26, 1968.

Flood of May 13, 1944, reached a stage of 11.8 ft (3.60 m), previous site and datum, discharge, 14,300 ft³/s (405 m³/s).

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS (WATER YEARS).--WSP 1390: 1898-1900. WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	247	200	210	270	350	383	351	231	444	199	100
2	126	226	210	205	280	340	380	515	227	389	179	100
3	126	223	230	205	270	370	400	495	224	329	178	95
4	133	218	250	200	250	430	457	413	234	290	172	95
5	140	215	270	210	230	500	525	386	236	265	159	100
6	144	208	240	190	240	440	556	355	232	255	147	112
7	144	207	200	205	220	420	664	325	218	230	142	112
8	148	205	190	210	190	400	744	308	223	210	133	109
9	150	203	230	210	150	420	746	295	378	206	129	109
10	156	197	270	210	170	400	763	290	373	216	121	103
11	160	190	290	170	190	430	729	353	330	229	121	100
12	162	180	290	180	190	380	607	397	289	203	117	100
13	158	193	280	210	185	350	604	409	291	180	118	100
14	159	197	260	230	185	450	657	376	269	168	110	103
15	162	201	240	220	190	520	688	338	264	156	113	103
16	162	198	220	210	200	760	593	308	282	140	121	106
17	168	207	190	250	210	715	614	283	274	121	125	109
18	170	208	220	290	250	625	614	268	340	106	133	109
19	170	209	210	280	240	562	507	262	442	121	137	103
20	171	206	230	310	260	590	537	248	1170	149	138	103
21	173	204	220	320	280	629	682	239	903	306	135	103
22	175	204	250	310	300	610	670	238	1099	285	128	106
23	184	208	230	310	290	560	602	273	1170	761	119	106
24	190	208	210	320	300	475	569	257	852	975	112	112
25	195	208	180	310	350	280	519	280	921	476	106	112
26	200	212	200	290	330	245	485	229	986	264	100	112
27	200	228	220	280	370	357	522	228	760	225	98	115
28	201	210	210	280	360	384	494	300	644	210	98	124
29	218	190	200	280	---	370	442	304	591	201	95	138
30	225	180	210	290	---	353	380	262	523	187	115	138
31	246	---	220	250	---	368	---	238	---	180	100	---
TOTAL	5238	6190	7070	7645	6950	14083	17143	9775	14975	8478	3993	3238
MEAN	169	206	228	247	248	454	571	315	499	273	129	108
MAX	246	247	290	320	370	760	763	515	1170	975	199	138
MIN	122	180	180	170	150	245	380	228	218	106	95	95
AC-FT	10390	12280	14020	15160	13790	27930	34000	19390	29700	16820	7920	6420

CAL YR 1974 TOTAL 116803 MEAN 320 MAX 1100 MIN 62 AC-FT 231700
WTR YR 1975 TOTAL 104778 MEAN 287 MAX 1170 MIN 95 AC-FT 207800

PEAK DISCHARGE (BASE, 2,000 FT³/S).--June 20 (1500) 2040 ft³/s (4.02 ft).

06799100 North Fork Elkhorn River near Pierce, Nebr.

LOCATION.--Lat 42°10'44", long 97°29'04", in SW1/4 sec.31, T.26 N., R.1 W., Pierce County, on left downstream wingwall of county road bridge, 2.5 mi (4.0 km) southeast of Pierce.

DRAINAGE AREA.--700 mi^2 (1,810 km^2), approximately, of which about 30 mi^2 (78 km^2) is noncontributing.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,553.07 ft (473.376 m) above mean sea level (U.S. Weather Bureau levels).

AVERAGE DISCHARGE.--15 years, 88.5 ft^3/s (2.506 m^3/s), 64,120 acre-ft/yr (79.1 hm^3/yr); median of yearly mean discharges, 75 ft^3/s (2.124 m^3/s), 54,300 acre-ft/yr (67.0 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 976 ft^3/s (27.6 m^3/s) June 20, gage height, 9.78 ft (2.981 m); minimum daily, 15 ft^3/s (0.42 m^3/s) Aug. 8.
Period of record: Maximum discharge, 15,200 ft^3/s (430 m^3/s) Feb. 19, 1971, gage height, 15.10 ft (4.602 m); minimum daily, 13 ft^3/s (0.37 m^3/s) July 21, 22, 28, 1968, July 31, 1970.

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	37	26	36	29	54	56	64	50	68	22	20
2	27	32	27	37	30	47	47	60	48	60	21	20
3	27	32	33	35	30	44	43	64	47	54	20	20
4	27	32	42	36	29	42	47	66	51	49	19	20
5	27	32	40	38	26	47	60	61	48	44	17	25
6	28	32	32	36	24	45	80	60	45	40	16	23
7	28	32	29	38	22	43	105	64	44	38	16	21
8	29	32	28	39	21	41	138	58	47	35	15	20
9	28	33	38	40	18	45	172	56	68	33	16	21
10	28	33	44	36	20	43	165	60	70	31	17	20
11	28	32	42	30	21	45	122	70	63	26	19	21
12	28	32	39	31	21	41	97	76	59	26	21	21
13	28	32	32	33	21	35	86	80	55	26	21	21
14	29	33	31	36	22	31	116	78	54	27	20	21
15	29	33	30	35	22	28	154	70	56	27	20	21
16	29	34	29	34	24	31	134	68	60	26	23	21
17	29	33	27	36	25	40	105	66	58	25	25	21
18	29	34	37	38	25	48	99	64	73	24	26	21
19	29	33	36	30	23	60	132	62	112	24	24	21
20	29	32	37	31	27	78	130	60	553	24	24	21
21	29	32	35	30	38	72	109	58	480	25	22	21
22	29	31	39	32	37	62	105	56	711	24	21	21
23	29	30	37	33	36	48	99	64	620	34	20	21
24	29	30	35	33	39	36	92	60	434	34	20	21
25	29	28	32	31	45	29	82	60	311	29	20	21
26	30	30	37	31	44	32	74	66	205	28	19	21
27	30	29	40	30	50	62	73	80	146	26	19	22
28	31	27	38	30	60	56	74	150	107	24	20	22
29	34	28	38	29	---	56	73	90	90	23	20	22
30	37	27	37	28	---	70	69	60	77	21	21	22
31	37	---	39	28	---	66	---	53	---	21	20	---
TOTAL	906	947	1086	1040	829	1477	2938	2104	4842	996	624	634
MEAN	29.2	31.6	35.0	33.5	29.6	47.6	97.9	67.9	161	32.1	20.1	21.1
MAX	37	37	44	40	60	78	172	150	711	68	26	25
MIN	26	27	26	28	18	28	43	53	44	21	15	20
AC-FT	1800	1880	2150	2060	1640	2930	5830	4170	9600	1980	1240	1260

CAL YR 1974 TOTAL 20504 MEAN 56.2 MAX 311 MIN 14 AC-FT 40670
WTR YR 1975 TOTAL 18423 MEAN 50.5 MAX 711 MIN 15 AC-FT 36540

PEAK DISCHARGE (BASE, 870 FT^3/S).--June 20 (2030) 976 ft^3/s (9.78 ft).

06799350 Elkhorn River at West Point, Nebr.

LOCATION.--Lat 41°50'23", long 96°43'34", in SW1/4NW1/4 sec. 34, T.22 N., R.6 E., Cuming county, on left bank 50 ft (15 m) upstream from bridge on State Highway 32 and 1 mi (2 km) west of West Point.

DRAINAGE AREA.--5,100 mi^2 (13,200 km^2), approximately, of which about 4,100 mi^2 (10,600 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1972 to current year. March 1960 to September 1972 (no winter records 1960-68) in files of Corps of Engineers. Gage-height records collected since 1940 are in reports of U.S. weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 1,291.26 ft (393.576 m) above mean sea level.

AVERAGE DISCHARGE.--7 years (1968-75), 760 ft^3/s (21.52 m^3/s) (550,600 acre-ft/yr (0.679 km^3/yr)).

EXTREMES.--Current year: Maximum discharge, 6,140 ft^3/s (174 m^3/s) June 20, gage height, 9.01 ft (2.746 m); maximum gage height, 9.15 ft (2.789 m) Mar. 20, backwater from ice; minimum daily discharge, 152 ft^3/s (4.30 m^3/s) Aug. 27.

Period of record: Maximum discharge estimated, 33,000 ft^3/s (935 m^3/s) June 25, 1969, gage height, 13.21 ft (4.026 m); minimum daily, 82 ft^3/s (2.32 m^3/s) Dec. 5, 1972.

Flood of March 31, 1960 reached a stage of 16.09 ft (4.904 m), backwater from ice; observed by Corps of Engineers.

REMARKS.--Records fair except those for winter period, which are poor. Some small diversions above station for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	434	240	310	340	400	740	632	537	741	281	173
2	196	398	250	290	340	400	620	546	506	677	437	159
3	199	352	250	280	340	430	680	543	506	537	360	159
4	202	331	280	290	320	500	760	1370	512	506	290	171
5	213	317	320	300	310	600	900	1080	512	430	279	201
6	218	310	290	280	320	520	920	698	470	465	251	194
7	218	310	250	290	290	480	960	1270	465	450	221	201
8	223	310	250	300	240	460	1000	666	450	357	221	176
9	220	305	280	300	220	490	1250	579	530	348	205	191
10	223	310	310	280	230	470	1350	537	642	334	218	166
11	229	310	320	240	250	490	1400	530	670	330	220	162
12	230	300	310	270	230	450	1390	565	607	327	204	182
13	231	290	300	290	230	410	1130	572	586	313	195	162
14	231	290	300	330	220	540	1340	614	560	312	173	156
15	235	300	290	310	230	620	1220	565	565	308	173	159
16	235	300	270	310	250	840	1280	544	527	285	176	159
17	234	305	250	350	270	820	1090	530	522	269	167	171
18	231	310	300	370	290	720	1020	465	1010	245	189	165
19	233	310	290	350	280	700	1160	470	1810	263	198	171
20	236	317	300	370	310	1100	1010	440	2010	219	196	165
21	240	318	290	380	330	1500	1000	440	3290	259	183	168
22	244	305	340	360	350	1400	1180	500	2630	371	184	159
23	245	300	310	350	340	1200	1400	488	2980	529	180	159
24	246	300	290	360	380	880	1300	614	1740	2960	165	156
25	247	290	260	350	400	699	1200	500	1420	830	168	154
26	241	290	280	340	390	660	1110	476	1230	594	161	159
27	245	295	310	320	420	720	1560	506	1200	397	152	154
28	252	285	300	320	410	760	1900	506	1010	357	170	159
29	280	260	290	330	---	800	1280	586	899	332	169	165
30	352	220	310	350	---	760	852	689	803	317	154	156
31	416	---	320	320	---	800	---	616	---	286	185	---
TOTAL	7431	9272	8950	9890	8530	21619	34002	19137	31199	14948	6525	5032
MEAN	240	309	289	319	305	697	1133	617	1040	482	210	168
MAX	416	434	340	380	420	1500	1900	1370	3290	2960	437	201
MIN	186	220	240	240	220	400	620	440	450	219	152	154
AC-FT	14740	18390	17750	19620	16920	42880	67440	37960	61880	29650	12940	9980

CAL YR 1974 TOTAL 207912 MEAN 570 MAX 3080 MIN 100 AC-FT 412400
WTR YR 1975 TOTAL 176535 MEAN 484 MAX 3290 MIN 152 AC-FT 350200

PEAK DISCHARGE (BASE, 4,500 FT^3/S).--June 20 (2345) 6,140 ft^3/s (9.01 ft); July 24 (0200) 4,880 ft^3/s (8.68 ft).

06799450 Logan Creek at Pender, Nebr.

LOCATION.--Lat 42°06'40", long 96°42'00", in NW1/4 sec.26, T.25 N., R.6 E., Thurston County, on right bank 200 ft (61 m) downstream from bridge on Nebraska State Highway 94 at Pender and 0.7 mi (1.1 km) downstream from Rattlesnake Creek.

DRAINAGE AREA.--731 mi^2 (1,890 km^2), approximately.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,300.96 ft (396.533 m) above mean sea level. Prior to Apr. 23, 1966, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--10 years, 142 ft^3/s (4.021 m^3/s), 102,900 acre-ft/yr (0.127 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 5,250 ft^3/s (149 m^3/s) June 20, gage height, 11.08 ft (3.377 m); minimum daily, 16 ft^3/s (0.45 m^3/s) Jan. 21.
Period of record: Maximum discharge, 36,900 ft^3/s (1,050 m^3/s) Feb. 19, 1971, gage height, 23.11 ft (7.044 m); minimum daily, 14 ft^3/s (0.40 m^3/s) July 28, 1968.

REMARKS.--Records fair except those for winter period, which are poor. Records of chemical analysis, and fluvial sediments for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	58	43	43	36	52	88	94	92	98	45	45
2	44	52	41	42	35	54	84	91	88	94	76	44
3	45	49	45	44	35	56	94	92	86	90	65	43
4	45	49	49	44	37	60	104	91	85	87	53	50
5	44	49	52	45	35	70	111	86	83	84	49	54
6	43	48	50	49	34	68	134	98	79	82	47	50
7	42	48	50	45	35	70	148	1250	76	78	47	45
8	43	48	48	46	37	68	168	204	78	76	47	44
9	41	48	48	46	38	68	153	142	86	75	45	45
10	41	48	49	40	40	64	136	126	90	71	45	45
11	42	47	48	30	40	66	119	124	85	68	45	44
12	41	47	48	22	41	62	115	125	85	68	45	45
13	41	46	47	20	42	60	114	118	78	65	45	45
14	41	49	45	22	42	60	122	107	77	64	44	46
15	41	49	43	24	42	66	123	103	80	62	43	46
16	45	47	41	23	43	76	114	99	90	61	45	46
17	43	46	44	22	44	100	109	96	110	57	49	47
18	44	46	47	24	45	110	112	94	250	57	51	47
19	44	46	48	21	46	108	128	93	287	59	51	45
20	44	45	46	19	46	145	111	91	2150	57	50	45
21	45	45	46	16	47	200	110	89	1150	55	48	46
22	45	45	45	19	48	130	111	89	599	54	48	47
23	44	45	47	40	48	90	109	89	311	58	48	47
24	45	44	42	68	49	64	105	88	186	66	46	47
25	45	43	38	50	49	50	98	87	216	58	43	48
26	45	45	40	50	50	70	113	87	140	53	43	48
27	46	45	45	50	54	100	126	89	124	50	46	48
28	48	46	43	49	52	117	165	294	113	48	49	49
29	50	47	41	48	---	106	116	238	108	46	46	50
30	55	43	40	43	---	98	99	118	102	45	46	50
31	65	---	39	37	---	92	---	100	---	43	45	---
TOTAL	1390	1413	1398	1141	1190	2600	3539	4692	7184	2029	1495	1401
MEAN	44.8	47.1	45.1	36.8	42.5	83.9	118	151	239	65.5	48.2	46.7
MAX	65	58	52	68	54	200	168	1250	2150	98	76	54
MIN	41	43	38	16	34	50	84	86	76	43	43	43
AC-FT	2760	2800	2770	2260	2360	5160	7020	9310	14250	4020	2970	2780

CAL YR 1974 TOTAL 25971 MEAN 71.2 MAX 868 MIN 33 AC-FT 51510
WTR YR 1975 TOTAL 29472 MEAN 80.7 MAX 2150 MIN 16 AC-FT 58460

PEAK DISCHARGE (BASE, 1,500 FT^3/S).--May 7 (0200) 4,000 ft^3/s (10.0 ft); Juhe 20 (1900) 5,250 ft^3/s (11.08 ft).

06799500 Logan Creek near Uehling, Nebr.

LOCATION.--Lat 41°42'50", long 96°31'15", on south line of SE1/4SE1/4 sec.9, T.20 N., R.8 E., Dodge County, near right bank on downstream side of bridge on county road, 2 mi (3 km) southwest of Uehling and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--1,030 mi^2 (2,670 km^2), approximately.

PERIOD OF RECORD.--March 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,208.73 ft (368.421 m) above mean sea level. See WSP 1918 for history of changes prior to July 15, 1963.

AVERAGE DISCHARGE.--34 years, 184 ft^3/s (5.211 m^3/s), 133,300 acre-ft/yr (0.164 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 4,270 ft^3/s (121 m^3/s) June 21, gage height, 10.21 ft (3.112 m); minimum daily, 30 ft^3/s (0.85 m^3/s) Jan. 21.

Period of record: Maximum discharge, 25,200 ft^3/s (714 m^3/s) Feb. 20, 1971, gage height, 20.15 ft (6.142 m), from floodmark; maximum gage height, 20.15 ft (6.142 m), Mar. 27, 1962, present datum, Feb. 20, 1971; minimum daily discharge, 14 ft^3/s (0.40 m^3/s) Dec. 28, 1941, Nov. 27, 1942.

Flood of June 5, 1940, reached a stage of 20.6 ft (6.28 m), present datum, from floodmarks, discharge, 22,200 ft^3/s (629 m^3/s).

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	100	58	66	72	68	130	176	117	148	61	63
2	58	88	58	68	66	64	120	169	110	140	70	62
3	59	77	56	68	60	64	140	175	104	133	103	62
4	61	73	62	68	58	72	160	155	106	129	91	64
5	62	71	76	70	58	82	190	140	105	126	75	79
6	62	72	80	70	56	84	224	130	100	119	67	75
7	61	72	72	72	58	78	238	966	96	116	64	69
8	60	73	62	72	56	74	253	559	95	113	63	65
9	61	73	56	74	56	70	274	221	104	110	61	62
10	62	72	64	78	58	70	239	160	109	105	61	62
11	62	71	70	60	60	70	196	149	116	100	66	62
12	62	70	70	46	60	68	174	147	108	96	63	60
13	62	68	70	35	60	68	168	143	104	90	62	60
14	63	68	66	37	60	66	186	136	97	88	60	61
15	63	66	54	40	60	90	194	125	99	88	59	60
16	62	71	47	38	60	110	180	120	99	86	59	61
17	65	71	56	36	60	120	164	116	110	80	60	62
18	66	70	60	40	62	130	163	113	932	82	64	62
19	64	69	58	37	62	150	185	111	1010	84	67	62
20	65	68	60	34	62	200	181	107	1900	82	66	60
21	67	66	62	30	64	250	208	104	2710	78	64	60
22	66	66	62	42	64	300	204	105	2090	78	61	60
23	70	66	62	98	64	240	211	110	1120	82	58	60
24	68	66	62	106	66	130	177	106	542	94	58	58
25	69	58	60	110	64	52	161	103	375	82	55	59
26	69	60	48	96	64	70	150	105	331	76	54	60
27	70	62	58	90	66	120	473	99	223	70	55	60
28	73	60	66	84	70	200	1190	105	191	70	59	61
29	80	54	70	80	---	180	415	373	170	68	67	62
30	79	56	70	78	---	160	217	239	157	68	62	62
31	94	---	64	76	---	140	---	139	---	64	62	---
TOTAL	2043	2077	1939	1999	1726	3640	7165	5706	13530	2945	1997	1875
MEAN	65.9	69.2	62.5	64.5	61.6	117	239	184	451	95.0	64.4	62.5
MAX	94	100	80	110	72	300	1190	966	2710	148	103	79
MIN	58	54	47	30	56	52	120	99	95	64	54	58
AC-FT	4050	4120	3850	3970	3420	7220	14210	11320	26840	5840	3960	3720

CAL YR 1974 TOTAL 49631 MEAN 136 MAX 2650 MIN 42 AC-FT 98440
WTR YR 1975 TOTAL 46642 MEAN 128 MAX 2710 MIN 30 AC-FT 92510

PEAK DISCHARGE (BASE, 1,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-27	2300	6.44	1,670	6-21	0100	10.21	4,270
5- 7	1015	8.20	2,780	6-22	0215	8.56	2,990
6-18	1730	6.85	1,620				

06800000 Maple Creek near Nickerson, Nebr.

LOCATION.--Lat 41°32'44", long 96°30'09", in NE1/4SW1/4 sec.10, T.18 N., R.8 E., Dodge County, on right bank 120 ft (37 m) upstream from bridge on U.S. Highways 77 and 275, 1.5 mi (2.4 km) northwest of Nickerson, and 4 mi (6 km) upstream from mouth.

DRAINAGE AREA.--450 mi^2 (1,170 km^2), approximately.

PERIOD OF RECORD.--October 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,194.56 ft (364.102 m) above mean sea level. Prior to July 28, 1960, nonrecording gage at site 120 ft (37 m) downstream at present datum.

AVERAGE DISCHARGE.--24 years, 60.5 ft^3/s (1.713 m^3/s), 43,830 acre-ft/yr (54.0 hm^3/yr); median of yearly mean discharges, 52 ft^3/s (1.473 m^3/s), 37,700 acre-ft/yr (46.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,610 ft^3/s (102 m^3/s) June 19, gage height, 13.94 ft (4.249 m); minimum daily, 1.5 ft^3/s (0.042 m^3/s) Sept. 14.

Period of record: Maximum discharge, 10,800 ft^3/s (306 m^3/s) June 21, 1960, gage height, 14.67 ft (4.471 m); maximum gage height, 16.10 ft (4.907 m) Feb. 19, 1971, from floodmark, backwater from ice; minimum daily discharge, 0.1 ft^3/s (0.003 m^3/s) Jan. 15, 16, 1956.

Maximum stage known since 1944, 16.28 ft (4.962 m) June 11, 1944, from floodmarks, discharge, 35,000 ft^3/s (991 m^3/s), from indirect measurement of peak flow.

REMARKS,--Records fair except those for winter period, which are poor.

REVISIONS (WATER YEARS).--WSP 1630: 1957-58.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	27	7.0	6.0	3.1	8.6	34	66	22	58	13	8.8
2	2.2	15	6.2	6.4	3.4	7.4	33	60	22	52	122	7.6
3	2.2	11	5.6	6.6	3.4	7.8	46	238	20	48	89	5.6
4	2.8	8.2	6.0	5.8	3.2	8.2	61	221	20	41	33	4.4
5	2.8	6.4	6.2	5.8	2.9	10	71	101	19	39	18	10
6	4.9	6.0	5.8	6.2	2.7	14	88	72	19	36	14	6.6
7	4.3	6.4	5.4	6.6	2.8	12	83	59	18	36	8.2	4.8
8	4.0	6.4	4.8	7.0	2.7	11	96	48	16	30	8.2	4.4
9	3.7	6.4	5.6	5.0	1.7	11	101	42	21	28	7.6	3.7
10	3.4	6.4	6.4	1.6	1.9	11	65	40	51	26	9.4	3.0
11	3.4	6.4	6.2	2.1	2.2	10	52	40	40	22	8.2	2.4
12	3.4	6.4	5.8	2.4	2.2	9.6	42	52	28	18	6.1	2.4
13	3.7	6.4	5.8	2.6	2.1	8.0	39	44	23	17	10	1.9
14	3.7	6.0	6.0	2.8	2.5	8.0	41	36	19	18	7.6	1.5
15	3.1	6.0	7.0	3.0	3.0	11	38	32	18	18	4.8	1.9
16	3.4	7.8	4.7	2.9	3.1	15	36	30	18	14	3.7	2.8
17	3.1	7.3	4.9	3.1	3.3	14	35	30	17	14	4.4	5.2
18	3.7	7.3	5.2	3.4	3.5	16	39	28	1350	8.8	4.8	5.2
19	4.0	7.3	5.6	2.9	2.9	30	47	27	2170	7.1	6.6	3.7
20	4.0	8.2	5.6	2.5	3.7	28	40	26	357	8.2	5.6	4.8
21	4.3	8.2	6.0	2.8	4.8	25	500	25	202	8.2	5.2	7.6
22	4.0	8.2	6.4	3.1	5.8	23	150	22	889	11	4.4	4.4
23	4.0	8.2	6.2	3.2	4.7	29	200	52	326	121	3.7	2.7
24	4.3	7.0	6.0	3.4	5.2	30	140	80	977	286	3.0	1.7
25	4.6	7.2	5.6	4.0	6.2	26	110	41	1220	76	2.4	1.7
26	4.0	8.0	5.8	3.7	8.0	24	90	28	247	38	3.0	1.9
27	4.3	7.8	6.0	3.1	9.4	41	82	25	136	26	4.8	1.9
28	5.5	7.6	5.8	2.9	10	45	1770	28	102	18	5.6	3.0
29	6.8	7.2	5.6	3.2	---	49	250	27	80	14	8.8	3.0
30	8.6	7.4	5.6	3.0	---	56	86	26	68	12	5.6	2.7
31	17	---	5.8	2.6	---	64	---	23	---	10	5.6	---
TOTAL	135.6	245.1	180.6	119.7	110.4	662.6	4465	1669	8515	1159.3	436.3	120.9
MEAN	4.37	8.17	5.83	3.86	3.94	21.4	149	53.8	284	37.4	14.1	4.03
MAX	17	27	7.0	7.0	10	64	1770	238	2170	286	122	10
MIN	2.2	6.0	4.7	1.6	1.7	7.4	33	22	16	7.1	2.4	1.5
AC-FT	269	486	358	237	219	1310	8860	3310	16890	2300	865	240

CAL YR 1974 TOTAL 14802.0 MEAN 40.6 MAX 2290 MIN 2.2 AC-FT 29360
WTR YR 1975 TOTAL 17819.5 MEAN 48.8 MAX 2170 MIN 1.5 AC-FT 35340

PEAK DISCHARGE (BASE, 800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-28	(unknown)	13.03	2,720	6-22	1030	9.35	1,430
6-19	0500	13.94	3,610	6-25	0100	11.34	2,280

06800500 Elkhorn River at Waterloo, Nebr.

LOCATION.--Lat 41°17'25", long 96°17'05", in SW1/4 sec.3, T.15 N., R.10 E., Douglas County, on right bank 100 ft (30 m) upstream from bridge at north edge of Waterloo and 3.5 mi (5.6 km) downstream from Rawhide Creek.

DRAINAGE AREA.--6,900 mi² (17,900 km²), approximately, of which about 5,870 mi² (15,200 km²) (revised) contributes directly to surface runoff.

PERIOD OF RECORD.--April 1899 to November 1903, May 1911 to September 1915, August 1928 to current year. Published as "at Arlington" 1899-1903, July 1913 to September 1915. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,106.73 ft (337.331 m) above mean sea level. See WSP 1918 for history of changes prior to Oct. 1, 1960.

AVERAGE DISCHARGE.--55 years, 1,138 ft³/s (32.23 m³/s), 824,500 acre-ft/yr (1.02 km³/yr): median of yearly mean discharges, 1,000 ft³/s (28.32 m³/s), 724,500 acre-ft/yr (0.893 km³/yr).

EXTREMES.--Current year: Maximum discharge, 10,800 ft³/s (306 m³/s) June 22, gage height, 7.91 ft (2.411 m); minimum daily, 2[illegible] ft³/s (6.54 m³/s) Sept. 25.
Period of record: Maximum discharge, 100,000 ft³/s (2,830 m³/s) June 12, 1944, gage height, 16.6 ft (5.06 m) from floodmark in gage well, site and datum then in use, from rating curve extended above 22,000 ft³/s (623 m³/s) on basis of current-meter measurement of peak flow in main channel and velocity-area studies of overflow section; minimum observed, 50 ft³/s (1.42 m³/s) Nov. 12, 1940.
Stage and discharge of the flood of June 12, 1944, are the greatest known since at least 1880.

REMARKS.--Records good except those for winter period, which are poor. Some small diversions above station for irrigation. Records of chemical analyses and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1390: 1914(M), 1915, 1936, 1943(M). WSP 1730: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	608	400	440	440	540	1310	1170	729	1440	425	286
2	296	668	400	450	460	520	932	1030	608	1330	488	302
3	299	614	420	460	460	620	1080	1070	578	1220	712	318
4	308	548	430	450	440	720	1240	1520	560	1110	796	314
5	324	506	450	440	420	800	1420	1250	590	1000	586	375
6	336	490	430	450	420	900	1410	1230	578	928	455	380
7	348	485	410	480	420	800	1410	1490	548	845	420	338
8	332	485	400	490	400	700	1460	2360	536	789	380	330
9	332	490	430	500	380	820	1840	1420	578	719	362	306
10	336	485	430	480	430	840	1950	1040	632	684	354	298
11	344	480	440	450	470	720	1900	876	729	642	338	298
12	344	475	450	390	450	690	1960	750	844	600	354	290
13	340	470	450	400	410	880	1800	785	722	579	410	280
14	344	480	440	410	390	1000	1560	778	650	572	395	276
15	348	485	420	450	400	1080	1690	750	638	518	350	269
16	356	480	400	470	420	1100	1720	708	626	482	326	276
17	364	485	390	480	440	828	1540	644	620	455	330	266
18	368	490	390	500	460	852	1450	614	1770	410	342	269
19	372	485	410	520	420	1110	1570	602	8090	366	338	272
20	380	475	450	500	450	1720	1690	554	4270	350	358	255
21	384	480	470	520	480	3510	1580	536	7210	390	358	249
22	396	475	520	500	500	3490	1820	536	8370	440	342	234
23	400	480	550	490	480	2600	2240	518	6240	460	314	234
24	425	485	520	480	490	2230	2050	650	4920	2100	310	234
25	425	475	500	470	520	1400	1680	662	4840	3560	290	231
26	425	465	470	460	520	1170	1440	729	3330	1830	273	237
27	420	465	450	460	540	1200	1350	620	2480	1100	269	234
28	420	450	430	450	580	1390	7410	596	1940	831	266	240
29	430	440	420	450	---	1520	3100	626	1720	656	269	246
30	480	410	430	440	---	1390	1750	828	1560	558	338	276
31	524	---	450	430	---	1480	---	836	---	482	326	---
TOTAL	11496	14809	13650	14360	12690	38620	55392	27778	67506	27446	11874	8413
MEAN	371	494	440	463	453	1246	1846	896	2250	885	383	280
MAX	524	668	550	520	580	3510	7410	2360	8370	3560	796	380
MIN	296	410	390	390	380	520	932	518	536	350	266	231
AC-FT	22800	29370	27070	28480	25170	76600	109900	55100	133900	54440	23550	16690

CAL YR 1974 TOTAL 364218 MEAN 998 MAX 15000 MIN 235 AC-FT 722400
WTR YR 1975 TOTAL 304034 MEAN 833 MAX 8370 MIN 231 AC-FT 603100

PEAK DISCHARGE (BASE, 6,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-28	1200	7.79	10,700	6-21	1400	7.19	9,120
6-19	0600	7.49	9,720	6-22	1700	7.91	10,800

06803000 Salt Creek at Roca, Nebr.

LOCATION.--Lat 40°39'29", long 96°39'55", in NW1/4SW1/4 sec.17, T.8 N., R.7 E., Lancaster County, on left bank 15 ft (5 m) downstream from highway bridge at west edge of Roca.

DRAINAGE AREA.--167 mi^2 (433 km^2).

PERIOD OF RECORD.--May 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,192.50 ft (363.474 m) above mean sea level, Kansas City supplementary adjustment of 1943. Prior to May 16, 1956, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--24 years, 42.2 ft^3/s (1.195 m^3/s), 30,570 acre-ft/yr (37.7 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, about 280 ft^3/s (7.93 m^3/s) Mar. 17, gage height, 7.57 ft (2.307 m), backwater from ice; minimum daily, 1.8 ft^3/s (0.051 m^3/s) Sept 8.

Period of record: Maximum discharge, 16,700 ft^3/s (473 m^3/s) July 10, 1958, gage height, 22.70 ft (6.919 m); minimum daily, 0.2 ft^3/s (0.006 m^3/s) July 23, 1955.

Flood of May 8, 1950, reached a stage of 26.0 ft (7.92 m), from floodmark established by Corps of Engineers, discharge, 67,000 ft^3/s (1,900 m^3/s), but may have been exceeded by flood of July 5, 1908.

REMARKS.--Records fair except those for winter period and period of backwater from beaver dams, which are poor. Flood flow affected by several detention dams.

REVISIONS.--WRD Nebr. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	13	6.2	9.8	11	35	21	33	16	9.6	68	3.2
2	3.7	8.2	6.2	9.4	10	30	20	30	15	8.8	57	3.3
3	3.8	12	6.4	9.0	11	25	21	40	24	8.4	43	3.0
4	4.0	9.8	6.6	8.2	13	23	23	31	24	7.3	33	3.5
5	4.2	8.6	7.0	8.0	12	22	22	26	16	6.8	26	13
6	5.0	8.4	6.8	8.2	12	29	19	23	13	6.4	19	4.3
7	4.5	8.2	6.6	8.6	12	25	19	22	12	6.0	16	2.0
8	4.3	9.0	6.2	8.8	11	22	27	21	20	4.3	12	1.8
9	4.1	10	6.2	9.2	9.6	20	25	20	154	4.0	10	2.0
10	4.0	11	6.4	8.8	9.2	19	22	20	49	6.0	8.7	1.9
11	4.1	10	6.8	8.0	9.6	18	21	62	38	5.6	7.7	2.1
12	4.2	8.6	7.2	8.4	9.8	18	19	41	30	4.3	7.8	2.3
13	4.3	8.2	8.0	8.8	10	17	19	25	23	4.1	9.3	2.5
14	4.2	8.2	7.8	9.4	10	17	28	24	19	4.9	12	2.6
15	4.1	7.8	7.4	10	10	20	28	20	17	3.5	14	2.6
16	4.0	7.2	7.2	10	11	50	25	18	17	4.4	12	2.5
17	3.8	7.8	6.8	11	11	220	23	16	16	4.5	9.7	2.8
18	4.1	8.2	8.2	11	12	180	26	14	21	3.8	9.5	2.9
19	4.0	8.0	8.0	12	11	193	26	13	26	3.2	9.4	3.3
20	4.0	7.8	7.8	12	12	154	24	12	20	31	9.0	3.1
21	4.2	7.8	8.2	11	13	89	26	12	16	14	6.9	3.8
22	4.4	7.6	9.2	10	12	58	41	11	36	27	6.6	3.7
23	4.5	7.4	11	11	11	44	74	11	31	22	6.9	4.4
24	4.6	7.2	12	12	12	33	56	13	22	10	5.6	4.3
25	4.6	7.0	10	13	13	25	38	12	19	8.2	5.5	4.1
26	4.4	7.4	11	13	14	21	29	12	16	7.1	7.1	4.6
27	4.5	7.4	11	12	17	45	38	11	14	6.4	4.5	4.5
28	5.0	7.0	11	12	21	71	124	32	13	16	4.4	4.4
29	7.0	6.6	9.6	11	---	35	56	28	12	104	4.6	4.6
30	14	6.4	9.8	11	---	25	42	22	11	94	4.5	4.8
31	20	---	10	11	---	24	---	21	---	79	4.1	---
TOTAL	159.2	251.8	252.6	315.6	330.2	1607	982	696	760	524.6	453.8	107.9
MEAN	5.14	8.39	8.15	10.2	11.8	51.8	32.7	22.5	25.3	16.9	14.6	3.60
MAX	20	13	12	13	21	220	124	62	154	104	68	13
MIN	3.6	6.4	6.2	8.0	9.2	17	19	11	11	3.2	4.1	1.8
AC-FT	316	499	501	626	655	3190	1950	1380	1510	1040	900	214

CAL YR 1974 TOTAL 9792.6 MEAN 26.8 MAX 306 MIN 1.6 AC-FT 19420
WTR YR 1975 TOTAL 6440.7 MEAN 17.6 MAX 220 MIN 1.8 AC-FT 12780

PEAK DISCHARGE (BASE, 850 FT^3/S).--No peak above base.

NOTE.--Stage-discharge relation affected by backwater from ice or beaver dams and ice Oct. 1 to Mar. 18.

06803500 Salt Creek at Lincoln, Nebr.

LOCATION.--Lat 40°50'49", long 96°40'54", in NW1/4SW1/4 sec.7, T.10 N., R.7 E., Lancaster County, near center of channel on downstream side of pier of bridge on North 27th Street at north edge of Lincoln, 1 mi (2 km) downstream from Oak Creek.

DRAINAGE AREA.--684 mi^2 (1,772 km^2).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder for stages above 6.2 ft (1.89 m); nonrecording gage read twice daily. Datum of gage is 1,113.9 ft (339.52 m) above mean sea level.

AVERAGE DISCHARGE.--26 years, 205 ft^3/s (5.806 m^3/s), 148,500 acre-ft/yr (0.183 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 868 ft^3/s (24.6 m^3/s) Oct. 30, gage height, 6.37 ft (1.942 m); minimum daily, 48 ft^3/s (1.36 m^3/s) Aug. 24, Sept. 20.

Period of record: Maximum discharge, 28,200 ft^3/s (799 m^3/s) June 2, 1951, gage height, 26.15 ft (7.971 m); minimum daily, 22 ft^3/s (0.62 m^3/s) Mar. 15, 1957.

Flood of June 2, 1951, may have been equaled or exceeded in discharge by flood of July 6, 1908, which reached a stage of 33.6 ft (10.24 m). Channel changes since 1908 have materially altered the stage-discharge relation.

REMARKS.--Records fair. Flood flow affected by several detention dams. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	119	69	79	114	223	202	226	109	127	214	57
2	69	88	81	90	106	265	192	457	109	111	153	71
3	69	182	79	86	117	217	192	271	232	101	104	71
4	69	111	79	97	143	174	208	223	169	90	97	83
5	73	92	83	92	127	169	202	214	119	86	97	90
6	114	79	90	88	124	200	182	197	104	81	83	75
7	90	75	88	88	124	202	208	184	94	81	79	65
8	81	75	67	92	114	182	256	171	156	79	73	71
9	73	99	79	97	106	156	232	161	433	79	67	67
10	69	83	86	104	117	158	208	150	319	67	61	67
11	73	86	81	90	117	156	189	174	262	71	63	65
12	67	81	83	73	117	145	174	205	187	69	59	59
13	61	81	86	92	111	135	176	195	156	59	127	50
14	73	79	81	99	111	135	232	163	140	73	90	50
15	69	79	90	97	109	150	217	132	119	61	77	59
16	65	73	101	104	106	200	200	158	161	54	73	59
17	69	69	99	104	122	517	192	127	127	65	67	61
18	69	77	90	114	124	472	232	127	268	67	77	57
19	63	79	94	119	114	622	200	127	385	112	75	55
20	63	75	92	122	135	601	176	122	220	255	73	48
21	69	77	92	130	137	475	187	119	346	119	69	52
22	73	77	97	111	127	379	243	130	445	313	65	55
23	73	73	94	111	109	295	583	130	313	145	59	55
24	73	71	104	135	124	253	340	99	337	101	48	57
25	77	73	81	135	145	174	268	99	238	75	63	59
26	71	75	86	124	145	202	226	90	192	63	69	59
27	65	69	92	127	153	433	349	99	166	57	77	55
28	79	69	86	122	214	367	577	250	150	67	81	55
29	109	73	90	117	---	271	406	176	135	67	79	61
30	308	71	86	117	---	214	292	156	137	153	69	67
31	176	---	90	109	---	217	---	130	---	145	55	---
TOTAL	2625	2510	2696	3265	3512	8359	7541	5262	6328	3093	2543	1855
MEAN	84.7	83.7	87.0	105	125	270	251	170	211	99.8	82.0	61.8
MAX	308	182	104	135	214	622	583	457	445	313	214	90
MIN	61	69	67	73	106	135	174	90	94	54	48	48
AC-FT	5210	4980	5350	6480	6970	16580	14960	10440	12550	6130	5040	3680

CAL YR 1974 TOTAL 73439 MEAN 201 MAX 2150 MIN 61 AC-FT 145700
WTR YR 1975 TOTAL 49589 MEAN 136 MAX 622 MIN 48 AC-FT 98360

PEAK DISCHARGE (BASE, 3,000 FT^3/S).--No peak above base.

06803510 Little Salt Creek near Lincoln, Nebr.

LOCATION.--Lat 40°53'36", long 96°40'52", in NW1/4SE1/4 sec.30, T.11 N., R.7 E., Lancaster County, on left bank 10 ft (3 m) downstream from county road bridge and 0.4 mi (0.6 km) (revised) north of intersection of Interstate Highway 80 and North 27th Street (revised) north of Lincoln.

DRAINAGE AREA.--43.6 mi^2 (112.9 km^2).

PERIOD OF RECORD.--January 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,117.73 ft (340.684 m) above mean sea level (Lancaster County Engineer bench mark).

AVERAGE DISCHARGE.--6 years, 10.5 ft^3/s (0.297 m^3/s), 7,610 acre-ft/yr (9.38 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 402 ft^3/s (11.4 m^3/s) June 2, gage height, 5.59 ft (1.704 m); minimum daily, 0.74 ft^3/s (0.021 m^3/s) Sept. 22,24.

Period of record: Maximum discharge, 2,080 ft^3/s (58.9 m^3/s) Apr. 28, 1974, gage height, 9.18 ft (2.798 m); maximum gage height, 13.38 ft (4.078 m) Oct. 11, 1973, backwater from Salt Creek; minimum daily discharge, 0.20 ft^3/s (0.006 m^3/s) Sept. 29, 30, 1969.

REMARKS.--Records fair except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.98	5.3	3.3	5.4	6.8	14	12	8.6	5.3	3.6	2.8	2.2
2	1.1	4.5	3.4	5.4	6.5	14	10	11	48	3.4	2.8	2.2
3	1.1	7.4	3.7	5.2	6.8	12	12	20	59	3.4	2.8	2.7
4	1.1	6.5	3.6	5.0	7.2	6.2	16	11	10	3.3	2.4	3.2
5	2.0	4.5	3.8	5.0	6.8	9.0	14	8.0	7.7	3.3	2.6	3.0
6	7.4	4.2	4.2	5.2	6.4	9.8	11	7.7	6.2	3.2	2.6	2.7
7	2.7	4.2	4.2	5.3	6.0	9.0	14	6.8	5.3	3.2	2.6	2.0
8	1.9	4.5	3.6	5.3	5.8	8.2	21	6.5	6.2	3.2	2.6	.86
9	2.2	5.0	3.7	5.6	5.4	7.6	12	6.8	14	3.0	2.6	.86
10	1.6	5.3	3.8	5.2	5.2	7.8	9.0	6.5	6.8	3.2	2.8	.86
11	2.7	5.0	4.0	4.5	5.4	7.6	8.3	9.0	6.2	3.9	2.7	1.7
12	3.6	4.2	4.5	4.8	5.8	7.4	8.0	7.7	5.0	3.9	2.6	1.9
13	3.3	4.0	4.9	5.0	5.8	7.2	9.0	7.1	4.8	3.0	3.6	1.1
14	3.3	3.8	4.2	5.6	6.2	7.4	16	7.1	4.5	3.2	2.8	.80
15	3.2	3.8	4.2	6.0	6.4	10	9.8	6.2	6.5	2.8	2.7	.80
16	3.0	3.6	4.0	6.4	6.6	26	8.6	6.2	4.2	2.8	2.7	.80
17	2.8	3.8	4.3	7.0	7.0	40	8.3	6.5	3.4	2.8	2.6	.86
18	3.0	4.0	5.2	7.4	6.2	50	8.4	6.2	26	2.7	2.2	.92
19	3.0	3.8	5.0	7.2	5.6	68	9.4	6.2	9.4	3.8	2.2	.92
20	3.0	3.6	5.0	7.0	6.0	58	6.5	5.9	4.2	11	2.2	.80
21	3.6	3.4	5.2	6.8	6.5	42	6.2	5.6	14	3.4	2.1	.86
22	3.4	3.6	5.6	6.6	6.2	36	7.1	5.0	10	4.0	2.0	.74
23	3.4	3.6	6.5	7.4	6.2	24	37	5.9	36	4.0	1.9	.80
24	4.0	3.8	5.8	8.2	5.9	18	14	5.0	11	3.2	1.7	.74
25	3.8	3.6	4.9	8.2	6.0	17	9.8	5.3	5.9	3.0	1.9	.80
26	3.6	3.6	5.0	8.0	6.0	19	8.3	4.8	5.0	2.7	1.9	.86
27	4.2	3.6	5.2	7.8	7.4	65	14	5.0	4.8	2.7	2.0	1.1
28	5.0	3.5	5.4	7.6	11	34	32	15	4.0	2.4	2.6	1.3
29	5.3	3.6	5.2	7.6	---	20	18	7.1	3.8	2.3	2.6	2.4
30	9.4	3.4	5.2	7.4	---	18	10	6.5	3.6	2.2	2.4	1.7
31	18	---	5.4	7.4	---	14	---	5.6	---	2.2	2.6	---
TOTAL	116.68	126.7	141.9	196.5	179.0	686.2	376.7	231.8	340.8	106.5	75.8	42.48
MEAN	3.76	4.22	4.58	6.34	6.39	22.1	12.6	7.48	11.4	3.44	2.45	1.42
MAX	18	7.4	6.5	8.2	11	68	37	20	59	11	3.6	3.2
MIN	.98	3.4	3.3	4.5	5.2	6.2	6.2	4.8	3.4	2.2	1.7	.74
AC-FT	231	251	281	390	355	1360	747	460	676	211	150	84

CAL YR 1974 TOTAL 3493.48 MEAN 9.57 MAX 339 MIN .98 AC-FT 6930
WTR YR 1975 TOTAL 2621.06 MEAN 7.18 MAX 68 MIN .74 AC-FT 5200

PEAK DISCHARGE (BASE, 550 FT^3/S).--No peak above base.

06803520 Stevens Creek near Lincoln, Nebr.

LOCATION.--Lat 40°51'25", long 96°35'42", in NW1/4NW1/4 sec.11, T.10 N., R.7 E., Lancaster County, on left bank 20 ft (6 m) upstream from county road bridge on Havelock Avenue and 1.6 mi (2.6 km) east of 70th Street at east edge of Lincoln.

DRAINAGE AREA.--47.8 mi² (123.8 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,125.57 ft (343.074 m) above mean sea level (Lancaster County Engineer bench mark).

AVERAGE DISCHARGE.--7 years, 13.9 ft³/s (0.394 m³/s), 10,070 acre-ft/yr (12.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 151 ft³/s (4.28 m³/s) Mar. 19, gage height, 5.08 ft (1.548 m); maximum gage height, 5.33 ft (1.625 m) Mar. 18, backwater from ice; minimum daily discharge, 0.11 ft³/s (0.003 m³/s) Aug. 7.

Period of record: Maximum discharge, 2,850 ft³/s (80.7 m³/s) Oct. 10, 1974, gage height, 17.03 ft (5.191 m); minimum daily, 0.11 ft³/s (0.003 m³/s) Aug. 7, 1975.

REMARKS.--Records good except those for winter period and period of backwater from beaver dams, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.6	2.4	3.6	2.4	11	11	9.5	4.4	1.4	.38	.25
2	1.2	2.2	2.6	3.4	2.4	12	9.8	9.0	3.6	1.4	.38	.29
3	1.3	3.0	2.7	3.3	2.6	8.0	11	11	3.8	1.4	.37	.24
4	1.3	3.6	2.7	3.1	2.7	5.6	14	9.8	4.2	1.3	.34	.43
5	1.3	2.7	2.8	3.0	2.5	6.6	15	7.8	3.6	1.2	.29	.46
6	2.0	2.4	3.0	3.1	2.3	8.0	12	6.8	3.1	1.1	.23	.37
7	2.0	2.4	2.9	3.2	2.1	7.0	18	6.2	3.2	.94	.11	.46
8	1.7	2.5	2.7	3.2	1.9	6.2	17	5.5	2.9	.88	.12	.45
9	1.3	2.8	2.7	3.3	1.8	5.8	14	5.1	8.6	.86	.30	.34
10	1.0	3.3	2.8	3.3	1.9	5.4	11	5.2	6.9	.85	.20	.37
11	1.4	3.0	2.9	2.2	2.1	5.2	10	6.9	5.5	.80	.18	.42
12	1.4	2.7	3.0	2.3	2.3	5.2	9.4	7.2	10	.78	.21	.34
13	1.7	2.6	3.2	2.4	2.5	5.0	9.5	5.7	7.5	.71	.40	.50
14	1.4	2.5	3.1	2.4	2.6	5.0	14	5.5	4.7	.75	.35	.32
15	1.2	2.5	3.0	2.5	2.8	7.0	13	4.8	3.4	.72	.37	.37
16	1.5	2.4	2.9	2.6	2.9	20	11	4.3	3.6	.67	.25	.36
17	1.6	2.5	3.0	2.7	3.0	40	10	3.9	3.5	.66	.26	.32
18	1.9	2.8	3.3	2.8	2.8	66	11	3.4	5.9	.60	.28	.38
19	1.9	2.7	3.3	2.7	2.7	100	15	3.3	9.6	.61	.37	.42
20	2.0	2.5	3.2	2.6	3.2	64	11	3.3	5.4	2.4	.16	.50
21	2.1	2.5	3.3	2.5	3.4	38	10	2.9	4.0	1.8	.27	.22
22	2.2	2.5	3.4	2.4	3.4	27	9.7	2.6	6.1	1.9	.32	.32
23	2.6	2.4	3.8	2.7	3.3	21	28	3.0	9.0	3.5	.20	.26
24	2.6	2.4	3.6	2.8	3.5	16	19	2.8	4.9	2.4	.38	.24
25	2.2	2.4	3.3	2.8	3.9	14	13	2.9	5.3	1.2	.18	.22
26	1.5	2.5	3.4	2.7	4.5	12	11	2.8	4.0	.81	.19	.22
27	1.4	2.6	3.6	2.7	5.6	41	13	2.4	2.8	.61	.23	.21
28	1.7	2.6	3.7	2.7	8.0	28	36	7.2	2.3	.58	.36	.19
29	2.2	2.5	3.6	2.6	---	16	16	8.6	2.1	.45	.34	.20
30	3.8	2.5	3.5	2.6	---	14	12	5.9	1.7	.42	.29	.23
31	5.8	---	3.5	2.5	---	14	---	5.4	---	.40	.30	---
TOTAL	58.4	78.6	96.9	86.7	85.1	634.0	414.4	170.7	144.9	34.02	8.61	9.90
MEAN	1.88	2.62	3.13	2.80	3.04	20.5	13.8	5.51	4.83	1.10	.28	.33
MAX	5.8	3.6	3.8	3.6	8.0	100	36	11	10	3.5	.40	.50
MIN	1.0	2.2	2.4	2.2	1.8	5.0	9.4	2.4	1.7	.40	.11	.19
AC-FT	116	156	192	172	169	1260	822	339	287	67	17	20

CAL YR 1974 TOTAL 4242.72 MEAN 11.6 MAX 222 MIN .92 AC-FT 8420
WTR YR 1975 TOTAL 1822.13 MEAN 4.99 MAX 100 MIN .11 AC-FT 3610

PEAK DISCHARGE (BASE, 500 FT³/S).--No peak above base.

NOTE.--Stage-discharge relation affected by backwater from ice or beaver dams Oct. 1 to Mar. 18, Sept. 24-30.

06803530 Rock Creek near Ceresco, Nebr.

LOCATION.--Lat 41°00'56", long 96°32'39", in NE1/4NE1/4 sec.17, T.12 N., R.8 E., Lancaster County, on right bank 10 ft (3 m) downstream from bridge on east-west county road and 5.7 mi (9.2 km) southeast of Ceresco.

DRAINAGE AREA.--119 mi² (308 km²).

PERIOD OF RECORD.--April 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1115.18 ft (339.907 m) above mean sea level.

AVERAGE DISCHARGE.--5 years, 26.6 ft³/s (0.753 m³/s), 19,270 acre-ft/yr (23.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 700 ft³/s (19.8 m³/s) June 23, gage height, 5.60 ft (1.707 m); minimum daily, 2.4 ft³/s (0.068 m³/s) Aug. 12.
Period of record: Maximum discharge, 4,120 ft³/s (117 m³/s) May 1, 1972, gage height, 14.2 ft (4.33 m), from floodmark; minimum daily, 0.8 ft³/s (0.023 m³/s) July 4, 5, 1970.

REMARKS.--Records fair except those for winter period, which are poor. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	11	7.0	1600	12	19	1220	30	920	10	4.0	5.9
2	5.1	7.6	7.6	8.2	1620	1600	1200	28	51	10	60	5.3
3	5.5	14	8.0	1330	12	1720	31	1200	131	9.4	6.8	4.9
4	4.9	15	1480	6.8	1800	16	36	1300	17	10	4.4	5.1
5	5.5	9.8	1500	1400	2000	18	39	31	15	8.7	3.6	6.5
6	1300	8.8	11	1800	1800	19	28	1350	1300	1240	3.6	7.2
7	6.8	1480	9.0	1600	1700	19	32	25	10	10	3.5	1190
8	5.9	8.5	8.0	10	1640	1760	45	22	1240	12	3.0	5.7
9	5.0	9.2	8.6	11	1600	18	31	21	17	8.1	1250	5.4
10	5.0	1520	9.6	2000	9.4	17	23	19	14	7.5	3.1	5.4
11	4.6	9.6	11	2680	11	16	20	17	13	14	3.6	5.4
12	4.8	8.4	11	5.0	11	16	18	16	13	8.1	2.4	5.5
13	5.6	1530	9.9	4.5	12	1980	18	15	10	8.1	3.0	5.9
14	5.7	8.6	1420	7.0	12	17	43	14	10	8.4	4.8	5.6
15	5.6	8.6	1420	1740	12	18	31	1300	19	7.0	3.8	5.3
16	5.8	8.8	1560	1650	13	15	23	1280	12	6.8	1200	5.3
17	6.1	8.9	8.8	13	13	33	22	12	800	6.4	5.0	6.0
18	5.6	9.8	9.4	1480	13	700	20	12	600	5.6	5.4	6.1
19	1300	11	9.8	12	12	230	1480	12	62	1390	5.4	5.4
20	6.1	9.4	1680	13	13	194	20	12	14	1480	5.1	4.4
21	6.2	8.6	10	1370	14	131	17	12	20	7.8	1200	1220
22	6.2	1350	11	12	16	107	17	11	42	1440	4.1	1220
23	6.3	8.9	10	13	1600	58	81	12	930	8.4	1320	4.8
24	6.3	8.5	9.0	14	14	31	35	12	33	6.7	3.3	3.9
25	6.4	8.4	1920	14	15	1300	1360	11	17	6.1	3.2	4.6
26	6.1	8.2	8.4	13	17	30	1360	11	13	5.4	3.2	4.8
27	6.7	8.0	9.0	13	25	227	53	10	13	6.4	3.5	4.9
28	1560	1240	9.6	12	21	1120	126	26	1220	5.1	4.0	4.9
29	11	7.6	9.0	1660	---	48	33	1000	11	3.8	5.1	5.1
30	1200	1480	8.2	1620	---	36	31	800	11	3.3	6.0	5.2
31	1400	---	8.6	1600	---	34	---	1000	---	3.6	6.1	---
TOTAL	6912.6	8825.2	11201.5	23711.5	14037.4	11547	7493	9622	7578	5756.7	5139.0	3774.5
MEAN	223	294	361	765	501	372	250	310	253	186	166	126
MAX	1560	1530	1920	2680	2000	1980	1480	1350	1300	1480	1320	1220
MIN	4.6	7.6	7.0	4.5	9.4	15	17	10	10	3.3	2.4	3.9
AC-FT	13710	17500	22220	47030	27840	22900	14860	19090	15030	11420	10190	7490

CAL YR 1974 TOTAL 33555.1 MEAN 91.9 MAX 1920 MIN 3.1 AC-FT 66560
WTR YR 1975 TOTAL 115598.4 MEAN 317 MAX 2680 MIN 2.4 AC-FT 229300

PEAK DISCHARGE (BASE, 600 FT³/S).--June 23 (1430) 700 ft³/s (5.60 ft).

06803555 Salt Creek at Greenwood, Nebr.

LOCATION.--Lat 40°57'56", long 96°27'01", at center of sec.31, T.12 N., R.9 E., Cass County, on right bank just downstream from county road bridge, 0.5 mi (0.8 km) west of Greenwood.

DRAINAGE AREA.--1,051 mi² (2,722 km²).

PERIOD OF RECORD.--November 1951 to current year. Records furnished by Corps of Engineers prior to Oct. 1, 1972.

GAGE.--Water-stage recorder. Datum of gage is 1,068.14 ft (325.569 m) above mean sea level, datum of 1954. Prior to Nov. 5, 1964, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--23 years (1952-75), 270 ft³/s (7.646 m³/s), 195,600 acre-ft/yr (0.241 km³/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) Mar. 20, gage height , 5.85 ft (1.783 m); minimum daily, 71 ft³/s (2.01 m³/s) Sept. 23.

Period of record: Maximum discharge, 41,000 ft³/s (1,160 m³/s) June 24, 1963, gage height, 23.46 ft (7.151 m); maximum gage height, 23.50 ft (7.163 m) Oct. 11, 1973, from floodmark; minimum daily discharge, 14 ft³/s (0.40 m³/s) Jan. 10, 1957.

REMARKS.--Records good. Records of water temperatures and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	203	110	119	130	273	298	336	160	186	198	76
2	77	154	109	118	120	264	263	304	327	175	258	79
3	82	190	120	128	125	235	274	432	537	165	166	88
4	90	205	117	125	150	218	339	350	307	156	141	126
5	90	139	117	131	140	202	357	313	189	143	137	129
6	180	121	127	124	130	248	316	291	157	135	125	98
7	120	115	124	131	130	249	334	268	140	130	119	96
8	104	116	109	130	120	238	420	243	131	134	116	79
9	95	123	114	135	118	222	370	227	410	134	112	83
10	93	171	124	140	125	199	325	212	419	126	107	80
11	106	124	117	124	130	194	298	248	288	113	102	94
12	97	117	114	110	130	181	280	241	233	107	102	86
13	94	110	118	120	125	177	290	238	208	99	154	76
14	91	111	118	130	125	162	360	220	176	92	136	72
15	86	106	124	130	130	166	307	192	171	102	130	72
16	89	104	128	135	125	261	300	174	203	98	111	79
17	96	104	126	135	140	740	280	165	177	97	106	80
18	97	105	123	140	145	853	350	162	461	102	99	80
19	94	110	122	145	140	1230	310	157	646	108	107	74
20	91	102	122	150	145	1260	290	157	341	323	105	72
21	95	102	122	160	150	851	350	142	293	181	102	72
22	109	107	120	140	156	686	500	139	668	293	97	72
23	108	103	129	145	131	500	800	168	530	228	90	71
24	108	100	121	165	130	400	465	134	524	180	81	72
25	110	106	121	170	147	292	350	128	336	140	75	72
26	107	108	123	165	160	287	280	120	274	120	83	74
27	104	104	129	160	163	766	314	109	236	107	85	76
28	107	102	128	150	204	766	700	314	220	104	93	76
29	157	104	124	145	---	458	520	232	202	110	105	79
30	224	112	119	140	---	355	435	213	188	152	93	76
31	513	---	123	130	---	334	---	168	---	176	84	---
TOTAL	3699	3678	3741	4270	3864	13267	11075	6797	9152	4516	3619	2459
MEAN	119	123	121	138	138	428	369	219	305	146	117	82.0
MAX	513	205	129	170	204	1260	800	432	668	323	258	129
MIN	77	100	108	110	118	162	263	109	131	92	75	71
AC-FT	7340	7300	7420	8470	7660	26320	21970	13480	18150	8960	7180	4880

CAL YR 1974 TOTAL 102666 MEAN 281 MAX 4120 MIN 77 AC-FT 203600
WTR YR 1975 TOTAL 70137 MEAN 192 MAX 1260 MIN 71 AC-FT 139100

PEAK DISCHARGE (BASE, 2,200 FT³/S). No peak above base.

06804000 Wahoo Creek at Ithaca, Nebr.

LOCATION.--Lat 41°08'40", long 96°32'10", in NW1/4NW1/4 sec.33, T.14 N., R.8 E., Saunders County, on right bank 16 ft (5 m) downstream from bridge on State Highway 63 and 0.5 mi (0.8 km) south of Ithaca.

DRAINAGE AREA.--271 mi^2 (702 km^2), of which 268 mi^2 (694 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,110.48 ft (338.474 m) above mean sea level. Prior to Oct. 27, 1959, nonrecording gages at same site and datum. Oct. 28, 1959, to Feb. 22, 1961, nonrecording gage at site 1.5 mi (2.4 km) upstream at datum 8.21 ft (2.502 m) higher.

AVERAGE DISCHARGE.--26 years, 76.7 ft^3/s (2.172 m^3/s), 55,570 acre-ft/yr (68.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,750 ft^3/s (49.6 m^3/s) June 18, gage height, 15.58 ft (4.749 m); minimum daily, 17 ft^3/s (0.48 m^3/s) Sept. 21,25.

Period of record: Maximum discharge, 77,400 ft^3/s (2,190 m^3/s) June 24, 1963, gage height, 22.93 ft (6.989 m), from rating curve extended above 13,000 ft^3/s (368 m^3/s) on basis of indirect measurement of peak flow; minimum daily, 3.3 ft^3/s (0.093 m^3/s) June [illegible], 1955.

Maximum stage known since about 1910, 23.22 ft (7.077 m), from floodmark, Aug. 2, 1959, discharge, 45,300 ft^3/s (1,280 m^3/s).

REMARKS.--Records good except those for winter period, which are poor.

REVISIONS.--WRD Nebr. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	44	30	35	34	42	68	57	39	40	23	21
2	26	32	29	35	35	40	48	55	40	38	35	21
3	26	31	32	34	35	39	56	66	41	37	36	20
4	27	32	34	32	36	40	72	66	39	36	23	22
5	28	32	35	34	34	42	90	55	42	35	21	42
6	39	32	36	32	33	43	80	53	37	34	20	39
7	32	31	37	36	31	43	74	53	35	33	21	23
8	29	31	31	35	30	40	95	48	35	32	21	21
9	28	31	35	34	29	42	83	46	47	39	21	21
10	28	33	37	33	32	40	69	44	61	33	20	21
11	28	33	38	29	31	39	62	50	41	29	20	22
12	29	32	38	30	34	36	59	57	38	28	20	21
13	29	31	38	31	34	34	59	48	36	28	31	20
14	28	31	38	34	33	34	72	45	35	27	30	19
15	28	31	37	36	34	36	72	42	34	27	30	19
16	28	31	37	34	35	42	63	43	35	27	25	21
17	28	31	36	36	37	59	61	41	35	24	22	21
18	28	31	37	40	40	74	63	40	374	23	22	21
19	29	32	38	37	38	106	72	40	525	24	22	20
20	29	32	40	33	39	185	64	39	62	25	22	19
21	29	32	39	35	43	154	59	37	48	25	22	17
22	29	31	40	34	41	146	64	37	161	26	21	18
23	29	31	41	36	41	110	97	38	107	27	20	20
24	29	31	39	38	42	89	89	39	80	29	23	18
25	29	31	36	40	43	54	66	38	55	25	22	17
26	29	31	42	40	42	66	63	36	49	23	22	18
27	29	32	38	40	41	107	69	36	46	23	21	18
28	30	32	37	38	44	176	192	45	45	23	22	18
29	33	31	38	37	---	105	85	47	43	23	26	18
30	36	30	36	36	---	76	62	45	41	22	26	19
31	61	---	36	33	---	76	---	44	---	22	23	---
TOTAL	935	956	1135	1087	1021	2215	2228	1430	2306	867	733	635
MEAN	30.2	31.9	36.6	35.1	36.5	71.5	74.3	46.1	76.9	28.6	23.6	21.2
MAX	61	44	42	40	44	185	192	66	525	40	36	42
MIN	26	30	29	29	29	34	48	36	34	22	20	17
AC-FT	1850	1900	2250	2160	2030	4390	4420	2840	4570	1760	1450	1260

CAL YR 1974 TOTAL 21783 MEAN 59.7 MAX 793 MIN 22 AC-FT 43210
WTR YR 1975 TOTAL 15568 MEAN 42.7 MAX 525 MIN 17 AC-FT 30880

PEAK DISCHARGE (BASE, 1,500 FT^3/S).--June 18 (2400) 1,750 ft^3/s (15.58 ft).

06805500 Platte River at Louisville, Nebr.

LOCATION.--Lat 41°00'55", long 96°09'28", in NW1/4NW1/4 sec.14, T.12 N., R.11 E., Sarpy County, on the left bank at the upstream side of bridge on Nebraska Highway 50, 1 mi (2 km) north of Louisville.

DRAINAGE AREA.--89,800 mi² (232,600 km²), approximately, of which about 71,000 mi² (183,900 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--May 1953 to current year. October 1961 to September 1973 published as Platte River at South Bend.

GAGE.--Water-stage recorder. Datum of gage is 1,007.10 ft (306.964 m) above mean sea level. Dec. 5, 1961 to Sept. 30, 1973, at site 7 mi (11 km) upstream at datum 31.43 ft (9.580 m) higher.

AVERAGE DISCHARGE.--22 years, 5,742 ft³/s (162.6 m³/s), 4,160,000 acre-ft/yr (5.13 km³/yr).

EXTREMES.--Current year: Maximum discharge, 28,500 ft³/s (807 m³/s) June 23, gage height, 6.95 ft (2.118 m); minimum daily, 687 ft³/s (19.5 m³/s) Aug. 27.

Period of record: Maximum discharge, 124,000 ft³/s (3,510 m³/s) Mar. 30, 1960, gage height, 12.45 ft (3.795 m); minimum daily, 240 ft³/s (6.80 m³/s) Sept. 3, 1955.

Maximum discharge known since at least 1881, 124,000 ft³/s (3,510 m³/s) Mar. 30, 1960, gage height, 12.45 ft (3.795 m).

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses, water temperatures, and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WRD Nebr. 1967, 1974: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2340	4520	2300	3000	4900	7400	7390	8750	3630	8440	1860	797
2	2290	4680	2400	3100	5000	7000	6440	7840	3410	7660	1770	758
3	2190	4750	2700	3200	5000	6600	5040	7510	3820	6520	1750	880
4	2410	4300	3200	3000	4900	7600	6140	7580	3200	5950	1840	1080
5	2620	3800	3620	3500	4500	8000	7990	6410	3100	5230	1580	1150
6	3230	3560	3740	3400	3800	8200	7730	7100	3860	5120	1590	1220
7	2710	3760	4170	3500	4200	7800	8670	5300	3290	4120	1530	1200
8	2420	3070	5170	3800	3800	7600	7820	6740	3350	3260	1210	1260
9	2500	3270	3160	4100	2800	7800	8240	5730	3940	3050	1180	1280
10	2460	2830	3240	3800	3000	8000	9560	5290	4230	2960	1190	1050
11	2260	3690	3030	3200	3000	8000	9950	4830	5590	3030	1440	1650
12	2430	3180	2920	2800	3000	7200	9510	5620	6640	2400	1200	1380
13	2290	3400	2990	2600	2900	6400	10200	4950	6260	2100	1520	1300
14	2340	3350	3960	3000	3400	6200	9340	4980	5750	2090	1580	1410
15	2340	3790	4380	3400	4000	6800	8490	5010	6110	1870	1390	1560
16	2540	3500	3840	3300	4800	7910	8430	5200	5050	1560	1240	1790
17	2450	2840	3000	4000	5200	7690	8820	4110	5730	1520	1310	1630
18	2870	3450	2600	4600	5200	8900	8120	3860	5160	1330	1170	1880
19	2570	3190	2600	4300	5000	14900	7920	3970	16200	1180	996	1900
20	2900	3960	2900	4700	5600	15400	7050	3340	17300	1350	1080	1820
21	2980	4110	3500	4900	6200	13000	8100	3460	18200	1450	1180	1890
22	3110	3950	4100	4600	6400	12500	8240	3230	17900	1490	1320	1800
23	2810	4660	4500	5200	6200	10700	9030	3460	26100	1800	1090	1980
24	2670	4950	5000	5600	6000	10400	8660	3520	23300	2180	792	1920
25	2520	5170	4500	5800	7400	9300	7680	4130	20000	4610	916	1800
26	2650	4910	4700	5600	7200	5430	6220	3940	17700	5240	758	2060
27	2790	4360	4100	5400	7400	6110	6980	3560	14800	5500	687	2000
28	2860	3300	3800	5200	7600	9190	13300	3870	12300	3660	727	1900
29	2930	2600	3600	5200	---	8930	15800	3920	11200	2900	1340	2000
30	3570	2400	3400	5200	---	8250	11400	3580	9170	2390	888	2020
31	4670	---	3200	5000	---	7450	---	4060	---	1990	804	---
TOTAL	83720	113300	110320	128000	138400	266660	258260	154850	286290	104030	38928	46365
MEAN	2701	3777	3559	4129	4943	8602	8609	4995	9543	3356	1256	1546
MAX	4670	5170	5170	5800	7600	15400	15800	8750	26100	8440	1860	2060
MIN	2190	2400	2300	2600	2800	5430	5040	3230	3100	1180	687	758
AC-FT	166100	224700	218800	253900	274500	528900	512300	307100	567900	206300	77210	91960

CAL YR 1974 TOTAL 2177131 MEAN 5965 MAX 24800 MIN 373 AC-FT 4318000
WTR YR 1975 TOTAL 1729123 MEAN 4737 MAX 26100 MIN 687 AC-FT 3430000

06806500 Weeping Water Creek at Union, Nebr.

LOCATION.--Lat 40°47'35", long 95°54'40", in NW1/4 sec.36, T.10 N., R.13 E., Cass County, near left bank on downstream side of pier of bridge on U.S. Highways 73 and 75, 1.5 mi (2.4 km) southeast of Union and 2.8 mi (4.5 km) downstream from South Branch Weeping Water Creek.

DRAINAGE AREA.--241 mi² (624 km²).

PERIOD OF RECORD.--February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 929.72 ft (283.379 m) above mean sea level. Prior to May 14, 1951, nonrecording gage at site 2 mi (3 km) upstream at different datum. May 15, 1951, to Aug. 22, 1968, water-stage recorder for stages above 7.9 ft (2.41 m) and nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--25 years, 81.7 ft³/s (2.314 m³/s), 59,190 acre-ft/yr (73.0 hm³/yr); median of yearly mean discharges, 69 ft³/s (1.954 m³/s), 50,000 acre-ft/yr (61.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 910 ft³/s (25.8 m³/s) Mar. 20, gage height, 10.05 ft (3.063 m); minimum daily, 8.6 ft³/s (0.24 m³/s) Sept. 26,27,29,30.

Period of record: Maximum discharge, 60,300 ft³/s (1,710 m³/s) May 9, 1950, gage height, 26.80 ft (8.169 m), from floodmark, present site and datum, from rating curve extended above 12,000 ft³/s (340 m³/s) on basis of measurement of peak flow through bridges and over highway embankment; minimum daily, 0.1 ft³/s (0.003 m³/s) Sept. 10-12, 14, 15, 17, 18, 1955.

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS.--WSP 2118: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	67	35	28	50	78	213	67	59	40	24	22
2	21	41	32	28	50	86	155	62	55	41	28	22
3	21	40	36	27	50	78	101	65	55	38	23	22
4	22	33	39	27	52	66	89	63	69	36	22	23
5	23	39	39	28	54	48	104	61	59	35	21	24
6	26	37	40	29	54	56	97	75	52	33	21	24
7	33	35	43	30	54	59	83	162	49	31	20	23
8	31	35	30	32	53	56	88	70	47	30	20	22
9	27	46	32	33	51	54	88	60	58	30	20	21
10	26	54	33	32	53	52	78	57	55	29	19	24
11	24	47	34	28	54	47	78	76	63	28	18	22
12	25	41	33	28	50	45	75	75	60	27	17	21
13	25	39	32	32	50	40	74	63	53	27	16	20
14	27	38	31	31	50	40	90	59	48	27	16	19
15	26	37	32	30	49	41	93	55	46	26	17	18
16	27	37	32	32	49	60	81	52	50	25	18	17
17	27	37	31	34	55	178	77	50	49	24	18	16
18	26	37	32	41	60	261	76	49	133	23	17	14
19	27	39	33	39	55	572	80	48	123	23	16	13
20	27	37	34	37	54	676	76	45	69	23	15	12
21	26	36	34	37	55	376	72	43	53	26	16	11
22	27	35	31	39	53	233	70	42	61	31	18	10
23	27	35	30	43	50	178	88	43	52	32	20	8.8
24	28	35	29	47	51	149	100	44	56	28	25	8.8
25	29	35	31	50	49	98	80	125	144	25	35	8.8
26	29	37	36	52	51	105	73	51	55	24	25	8.6
27	29	37	35	52	51	303	77	45	53	23	23	8.6
28	30	36	39	52	57	433	132	83	46	23	23	8.8
29	33	35	37	50	---	217	91	103	42	22	22	8.6
30	43	35	37	50	---	211	73	81	40	22	22	8.6
31	110	---	36	50	---	222	---	68	---	22	22	---
TOTAL	922	1172	1058	1148	1464	5118	2752	2042	1854	874	637	489.6
MEAN	29.7	39.1	34.1	37.0	52.3	165	91.7	65.9	61.8	28.2	20.5	16.3
MAX	110	67	43	52	60	676	213	162	144	41	35	24
MIN	20	33	29	27	49	40	70	42	40	22	15	8.6
AC-FT	1830	2320	2100	2280	2900	10150	5460	4050	3680	1730	1260	971

CAL YR 1974 TOTAL 39141.0 MEAN 107 MAX 2270 MIN 20 AC-FT 77640
WTR YR 1975 TOTAL 19530.6 MEAN 53.5 MAX 676 MIN 8.6 AC-FT 38740

PEAK DISCHARGE (BASE, 3,000 FT³/S).--No peak above base.

06807000 Missouri River at Nebraska City, Nebr.
(National stream-quality accounting network station)

LOCATION.--Lat 40°40'55", long 95°50'48", in NW1/4NE1/4 sec.9, T.8 N., R.14 E., Otoe County, on right bank 0.7 mi (1.1 km) upstream from Waubonsie Highway Bridge at Nebraska City and at mi 562.6 (905.2 km).

DRAINAGE AREA.--414,400 mi² (1,073,000 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected in this vicinity from August 1878 to December 1899 are contained in reports of Missouri River Commission.

GAGE.--Water-stage recorder. Datum of gage is 905.36 ft (275.954 m) above mean sea level, datum of 1929, supplementary adjustment of 1954. See WSP 1918 or 1919 for history of changes prior to Apr. 1, 1963.

AVERAGE DISCHARGE.--46 years, 34,960 ft³/s (990.1 m³/s), 25,330,000 acre-ft/yr (31.2 km³/yr).

EXTREMES.--Current year: Maximum discharge, 73,600 ft³/s (2,080 m³/s) June 24, gage height, 15.45 ft (4.709 m); maximum gage height, 15.57 ft (4.746 m) Aug. 19; minimum daily discharge, 11,200 ft³/s (317 m³/s) Jan. 14.; minimum gage height, 1.80 ft (0.549 m) Jan. 14.

Period of record: Maximum discharge, 414,000 ft³/s (11,700 m³/s) Apr. 19, 1952; maximum gage height, 27.66 ft (8.431 m) Apr. 18, 1952; minimum discharge, 1,600 ft³/s (45.3 m³/s) Dec. 31, 1946, discharge measurement; minimum gage height observed, -0.28 ft (-0.085 m) Dec. 24, 1960, result of freezeup.

REMARKS.--Records good. Flow partly regulated by upstream main-stem reservoirs.

REVISIONS.--WSP 761: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37100	38800	24300	21800	23200	24800	38200	53100	43600	58700	63400	67800
2	36800	38500	22300	21800	22700	25000	37600	49600	42400	58000	64600	67000
3	36400	37600	22300	22000	22500	25200	35100	48900	42400	55900	65800	66600
4	36800	37600	23200	22000	22500	25600	35800	48900	42100	54200	66200	67400
5	37600	37900	22700	21800	22300	26100	38500	47800	41500	53100	65400	68600
6	38800	37900	23200	21800	21800	26300	39400	45800	41500	54500	64600	67800
7	38800	37600	23800	21600	21000	26600	40300	52400	43300	55600	64600	67000
8	39700	37600	24500	21200	19400	26800	41200	44500	44200	55600	64600	66200
9	39100	38200	24100	21200	19000	26800	43000	46100	44200	55200	64600	65400
10	38200	38500	22500	21800	20400	26100	45100	44500	44200	54800	63800	65800
11	37400	38200	21800	20400	21400	26300	46100	43300	45800	55200	64200	66600
12	38200	38800	23000	18200	21000	26100	45100	42700	49200	54800	64600	66600
13	39400	38500	23200	15000	20800	25900	44200	43000	51700	54200	65400	67400
14	40000	38500	23800	11200	21000	25400	44800	42100	51400	53800	65400	67400
15	40600	37900	24500	11600	21200	25200	43900	42100	50300	53400	64200	65800
16	38200	37900	24300	17400	20800	25200	44200	41200	51000	52800	63000	65800
17	37100	36800	23600	21800	21600	27000	43900	41500	50600	52800	63000	66200
18	37100	36600	23000	21800	22700	29200	43900	41200	51700	52800	64600	66600
19	37400	37600	22000	21000	23000	32100	44200	41800	55600	53400	69400	66200
20	37400	37600	21800	20800	23000	38800	44500	40600	67000	54500	67400	67000
21	37600	37600	22500	21200	23000	37400	43600	40000	66200	56200	64600	68200
22	37400	37100	22700	21200	23000	37100	43300	40300	65000	57600	63800	67800
23	37900	37100	22700	21000	23000	36800	44800	40600	68600	58400	63800	66600
24	37900	37100	23000	21400	23200	37400	46100	41500	72600	59400	64600	65400
25	37900	36800	23000	22300	23200	40900	45100	42100	69000	60600	66000	65800
26	38200	36100	22500	23400	23600	38500	43900	43600	66600	63800	66200	65400
27	37900	33600	22300	23800	24100	35100	44800	43600	61400	64600	67000	65000
28	37600	30600	22700	23400	24500	39400	57600	44200	57600	64600	67800	64600
29	37600	28400	23200	23200	---	42400	71000	44200	56200	62600	69400	65400
30	38200	26600	22700	23400	---	42100	61000	45400	57600	62600	70600	65800
31	39700	---	22000	23200	---	38800	---	44500	---	62600	69000	---
TOTAL	1180000	1099600	713200	643700	618900	966400	1340200	1371100	1594500	1766300	2031600	1995200
MEAN	38060	36650	23010	20760	22100	31170	44670	44230	53150	56980	65540	66510
MAX	40600	38800	24500	23800	24500	42400	71000	53100	72600	64600	70600	68600
MIN	36400	26600	21800	11200	19000	24800	35100	40000	41500	52800	63000	64600
AC-FT	2341000	2181000	1415000	1277000	1228000	1917000	2658000	2720000	3163000	3503000	4030000	3957000

CAL YR 1974 TOTAL 13270100 MEAN 36360 MAX 75000 MIN 18500 AC-FT 26320000
WTR YR 1975 TOTAL 15320700 MEAN 41970 MAX 72600 MIN 11200 AC-FT 30390000

06811500 Little Nemaha River at Auburn, Nebr.

LOCATION.--Lat 40°23'33", long 95°48'46", in NE1/4NW1/4 sec.23, T.5 N., R.14 E., Nemaha County, on left bank at downstream side of bridge on U.S. Highway 136, 1 mi (2 km) downstream from Longs Creek and Willow Creek and 1 mi (2 km) east of Auburn.

DRAINAGE AREA.--793 mi^2 (2,054 km^2).

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 889.87 ft (271.232 m) above mean sea level. See WSP 2119 for history of changes prior to July 24, 1967.

AVERAGE DISCHARGE.--26 years, 275 ft^3/s (7.788 m^3/s), 199,200 acre-ft/yr (0.246 km^3/yr); median of yearly mean discharges, 190 ft^3/s (5.381 m^3/s), 138,000 acre-ft/yr (0.170 km^3/yr).

EXTREMES.--Current year: Maximum discharge, about 2,700 ft^3/s (76.5 m^3/s) Mar. 18, gage height, 10.6 ft (3.23 m), from highwater mark, backwater from ice; minimum daily, 19 ft^3/s (0.54 m^3/s) Aug. 12,13.
Period of record: Maximum discharge, 164,000 ft^3/s (4,640 m^3/s) May 9, 1950, gage height, 27.65 ft (8.428 m), from floodmark, from rating curve extended above 49,000 ft^3/s (1,390 m^3/s) on basis of computations of peak flow through bridge and culvert openings and over highway and railway embankments at gage heights 24.96 ft (7.608 m) and 27.65 ft (8.428 m); minimum daily, 4.2 ft^3/s (0.12 m^3/s) Aug. 7, 1956.

REMARKS.--Records poor. Records of chemical analyses and water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	186	67	46	108	190	187	122	130	80	32	28
2	40	109	63	46	110	230	218	119	130	76	47	26
3	45	92	60	47	110	250	260	126	140	74	48	27
4	47	86	54	49	114	260	206	128	175	70	41	346
5	45	81	52	52	120	260	238	120	160	68	37	486
6	48	78	54	56	120	270	240	129	130	64	33	255
7	52	74	50	54	125	270	200	265	110	63	31	103
8	56	72	40	50	125	260	191	152	106	62	27	51
9	56	85	42	50	120	240	2130	117	104	62	24	44
10	54	124	45	47	125	220	186	107	180	60	24	41
11	54	115	45	48	120	210	164	153	175	55	22	44
12	55	93	45	54	120	190	153	200	140	53	19	40
13	66	82	45	60	114	170	149	138	114	53	19	38
14	63	77	43	68	118	160	172	119	106	54	29	37
15	57	76	45	68	120	170	183	109	100	54	47	37
16	59	76	45	68	120	250	180	98	98	49	38	37
17	60	75	45	70	125	950	150	91	98	45	34	37
18	56	75	45	80	120	1100	190	87	96	43	32	38
19	55	75	48	84	114	1150	185	87	450	38	30	38
20	57	71	48	80	114	1200	170	81	200	43	29	33
21	57	69	48	88	120	954	155	80	160	45	28	33
22	60	72	50	94	118	620	200	82	230	66	25	33
23	60	69	48	98	114	433	230	102	160	77	23	33
24	62	66	46	120	114	344	268	92	114	73	22	32
25	64	62	50	130	110	240	201	86	104	59	24	32
26	69	67	54	125	110	223	162	100	96	52	28	32
27	65	65	58	120	120	509	150	88	92	46	29	33
28	66	62	60	114	140	765	236	150	88	43	41	35
29	70	58	58	110	---	495	260	350	84	40	38	38
30	127	59	54	110	---	327	154	280	82	36	32	38
31	352	---	50	110	---	223	---	200	---	33	29	---
TOTAL	2117	2451	1557	2396	3308	13133	7768	4158	4152	1736	962	2125
MEAN	68.3	81.7	50.2	77.3	118	424	259	134	138	56.0	31.0	70.8
MAX	352	186	67	130	140	1200	2130	350	450	80	48	486
MIN	40	58	40	46	108	160	149	80	82	33	19	26
AC-FT	4200	4860	3090	4750	6560	26050	15410	8250	8240	3440	1910	4210

CAL YR 1974 TOTAL 77787 MEAN 213 MAX 2290 MIN 37 AC-FT 154300
WTR YR 1975 TOTAL 45863 MEAN 126 MAX 2130 MIN 19 AC-FT 90970

PEAK DISCHARGE (BASE, 5,000 FT^3/S).--No peak above base.

NOTE.--No gage-height record Mar. 17-20, Apr. 6-7, 16-23, May 21 to June 9, June 11 to July 6, July 8-9.

06813500 Missouri River at Rulo, Nebr.

LOCATION.--Lat 40°03'14", long 95°25'12", in NW1/4NW1/4 sec.17, T.1 N., R.18 E., Richardson County, on downstream end of middle pier of bridge on U.S. Highway 159 at Rulo, 3.2 mi (5.1 km) upstream from Nemaha River and at mi 498.0 (801.3 km).

DRAINAGE AREA.--418,900 mi² (1,085,000 km²), approximately.

PERIOD OF RECORD.--October 1949 to current year in reports of Geological Survey. Gage-height record collected at site 80 ft upstream January 1886 to December 1899 published in reports of Missouri River Commission; September 1929 to September 1950 in files of Kansas City Office of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 837.21 ft (255.188 m) above mean sea level. Prior to Sept. 13, 1950, nonrecording gage at site 80 ft (24 m) upstream at same datum.

AVERAGE DISCHARGE.--26 years, 38,870 ft³/s (1,101 m³/s), 28,160,000 acre-ft/yr (34.7 km³/yr).

EXTREMES.--Current year: Maximum discharge, 86,600 ft³/s (2,450 m³/s) Sept. 4, gage height, 16.69 ft (5.087 m); minimum daily, 13,000 ft³/s (368 m³/s) Jan. 15; minimum gage height, not determined, occurred during period of no gage-height record Jan. 15, 16.

Period of record: Maximum discharge, 358,000 ft³/s (10,100 m³/s) Apr. 22, 1952, gage height, 25.60 ft (7.803 m); minimum daily, 4,420 ft³/s (125 m³/s) Jan. 13, 1957; minimum gage height, 0.65 ft (0.198 m) Jan. 7, 1971, result of freezeup.

Flood in 1881 reached a stage of 22.9 ft (6.98 m), from floodmark, discharge not determined.

REMARKS.--Records good except those for winter period, which are poor. Flow partly regulated by upstream main-stem reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37900	42800	27300	23300	23500	27100	41900	60000	47500	62500	64500	71500
2	37600	41300	24900	21100	23500	26700	42500	54000	45600	62500	65500	70500
3	37400	40700	23500	23300	23700	26300	40200	52600	46000	60000	66500	69000
4	37400	40400	23700	23500	23700	26300	39200	53600	46000	58000	67000	79000
5	38200	40200	23700	23700	23700	26500	41300	51800	44900	56700	66500	76800
6	38600	39900	23700	23700	23500	27300	43200	48300	44200	56700	65000	73500
7	39600	39200	24500	23700	22900	27700	44200	52600	45200	57600	65000	72000
8	39900	38900	24500	23500	22000	27500	46300	50400	46000	58500	65000	70500
9	40400	38900	24700	23300	22500	27700	48300	46700	46000	58500	65000	69000
10	39600	39900	24100	23700	22000	26900	50400	48700	45200	58500	64000	68000
11	39200	39400	23500	23500	20000	26700	53600	47100	48700	58000	64500	70000
12	39600	40200	23300	22000	21000	26900	51800	46300	51300	57600	67000	70000
13	40700	40200	23900	20000	21500	26500	49500	45200	52200	56700	68000	69500
14	41600	39900	24100	17000	21900	26100	49100	44900	52200	55900	69000	70500
15	41900	39600	24900	13000	21900	26300	48700	44600	50800	54900	68000	69500
16	41900	38900	24900	13800	22100	26900	47900	43500	51300	54000	66000	69000
17	39600	38400	24300	19700	21900	30700	48300	43500	51300	53600	65000	69500
18	38900	37600	23700	23500	22300	35000	49100	43500	56900	53100	65000	69000
19	38900	37900	23100	23100	22700	38200	50000	44200	68500	54000	69500	69000
20	38400	37900	22500	22500	22900	44600	50800	44200	68500	55400	70000	69000
21	38200	38400	22700	22500	23100	44600	49500	43200	68000	56700	67000	70000
22	38400	38400	23100	22500	23500	40700	47900	42200	68000	58500	65000	70500
23	38600	38200	23500	22100	23500	38200	47100	42500	68500	59000	65000	69000
24	39400	37900	23500	22300	23500	37400	52600	43200	76200	61000	66500	66500
25	39900	37600	23300	22900	23500	40200	54400	44600	76800	62000	70000	66500
26	39900	37400	23300	23500	23500	41300	51800	46700	77900	64500	73500	67000
27	39400	35600	23300	24100	24300	37900	49300	46700	70500	67000	70000	67000
28	38900	33400	23700	23900	25300	42500	55000	46300	66500	68000	72000	66500
29	39200	30500	24100	23500	---	47500	81800	49100	62000	66500	72500	67000
30	39400	28900	24100	23500	---	46000	69500	54000	62000	65500	79600	68500
31	43500	---	23500	23700	---	43500	---	53600	---	65000	74600	---
TOTAL	1222100	1148500	740900	687400	639400	1037700	1494200	1477800	1704700	1836100	2101700	2093300
MEAN	39420	38280	23900	22170	22840	33470	49810	47670	56820	59240	67800	69780
MAX	43500	42800	27300	24100	25300	47500	81800	60000	77900	68000	79600	79000
MIN	37400	28900	22500	13000	20000	26100	39200	42200	44200	53100	64000	66500
AC-FT	2424000	2278000	1470000	1363000	1268000	2058000	2964000	2931000	3381000	3642000	4169000	4152000

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CAL YR 1974  TOTAL   14481800   MEAN  39680   MAX  87800   MIN  21000   AC-FT   28720000
WTR YR 1975  TOTAL   16184000   MEAN  44340   MAX  81800   MIN  13000   AC-FT   32100000
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06814000 Turkey Creek near Seneca, Kans.

LOCATION.--Lat 39°56'52", long 96°06'30", in SW1/4NW1/4SW1/4 sec.20, T.1 S., R.12 E., Nemaha County, at downstream side of highway bridge 2.0 mi (3.2 km) downstream from Clear Creek, 5.0 mi (8.0 km) upstream from Big Nemaha River, and 8.0 mi (12.9 km) northwest of Seneca.

DRAINAGE AREA.--276 mi² (715 km²).

PERIOD OF RECORD.--October 1948 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Altitude of gage is 1,160 ft (354 m), from topographic map. Prior to Oct. 19, 1956, water-stage recorder (occasional operation only) and nonrecording gage on former channel 400 ft (120 m) south of present site at present datum. Oct. 19, 1956, to June 15, 1957, nonrecording gage at highway bridge 1.2 mi (1.9 km) upstream at different datum. June 16, 1957, to Mar. 27, 1959, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--27 years, 123 ft³/s (3.483 m³/s), 89,110 acre-ft/yr (0.110 km³/yr).

EXTREMES.--Current year: Maximum discharge, 2,780 ft³/s (78.7 m³/s) May 30, gage height, 16.80 ft (5.121 m); minimum daily, 0.03 ft³/s (0.0008 m³/s) Sept. 10.

Period of record: Maximum discharge, 21,400 ft³/s (606 m³/s) Oct. 11, 1973, gage height, 24.77 ft (7.550 m); no flow at times in 1956-57.

REMARKS.--Records good except those for October thru March, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	28	8.8	5.4	11	691	58	60	155	46	11	2.7
2	1.0	8.1	7.8	4.8	11	424	45	56	120	42	11	2.1
3	1.0	4.6	8.8	6.7	13	250	41	62	824	37	12	1.5
4	1.2	3.6	9.2	8.4	150	150	63	55	196	35	10	8.0
5	1.2	3.1	10	6.5	105	100	60	48	116	33	9.0	53
6	1.2	3.1	11	5.5	80	140	65	45	83	30	7.9	19
7	1.1	3.3	11	5.5	60	90	46	44	65	26	7.8	6.9
8	1.2	5.2	8.1	5.5	35	70	88	35	55	25	7.1	3.9
9	1.9	9.2	7.8	5.5	25	50	135	32	62	24	6.1	3.2
10	2.0	13	7.4	7.0	20	40	77	30	96	24	5.7	2.7
11	1.3	13	8.4	6.5	20	35	50	537	769	22	5.3	4.6
12	3.2	9.5	8.4	6.0	18	30	43	177	188	20	4.8	5.4
13	2.5	7.8	9.2	6.0	18	35	40	86	101	19	6.4	4.4
14	2.0	6.7	7.8	6.0	18	40	84	64	75	19	56	3.3
15	1.9	7.0	10	6.0	18	40	117	51	62	18	13	3.4
16	1.9	7.4	8.8	6.5	18	73	68	42	54	16	9.5	3.7
17	1.7	7.4	7.0	7.5	18	576	53	35	54	15	7.3	4.0
18	1.7	7.4	7.4	7.5	20	554	194	31	820	13	6.8	4.1
19	1.6	7.4	7.4	7.5	20	403	201	28	1190	13	5.7	4.7
20	1.8	7.4	7.8	7.5	20	226	95	25	212	55	4.7	4.0
21	1.7	7.4	6.7	7.5	20	147	59	22	137	38	4.2	4.5
22	1.7	7.4	8.8	7.5	20	98	50	20	363	272	3.6	2.8
23	2.0	7.8	6.7	8.0	20	71	124	22	225	144	3.5	2.7
24	2.2	7.0	5.4	11	20	53	1840	21	125	38	2.9	2.3
25	2.2	6.7	6.0	24	25	38	387	18	99	24	2.9	2.8
26	2.0	8.1	6.0	32	46	42	189	22	77	20	3.3	2.8
27	2.5	9.1	6.4	28	142	399	141	20	68	18	2.8	2.8
28	2.5	8.1	7.0	23	380	740	115	43	61	17	4.0	4.8
29	3.0	7.8	8.4	18	---	135	93	87	54	15	5.4	3.8
30	100	8.4	6.0	15	---	85	72	1930	49	13	3.9	4.3
31	80	---	8.4	12	---	73	---	341	---	12	3.3	---
TOTAL	232.3	239.2	247.9	313.8	1371	5898	4693	4089	6555	1143	246.4	178.2
MEAN	7.49	7.97	8.00	10.1	49.0	190	156	132	219	36.9	7.95	5.94
MAX	100	28	11	32	380	740	1840	1930	1190	272	56	53
MIN	1.0	3.1	5.4	4.8	11	30	40	18	49	12	2.8	1.5
AC-FT	461	474	492	622	2720	11700	9310	8110	13000	2270	489	353

CAL YR 1974 TOTAL 22712.8 MEAN 62.2 MAX 1360 MIN 1.0 AC-FT 45050
WTR YR 1975 TOTAL 25206.8 MEAN 69.1 MAX 1930 MIN 1.0 AC-FT 50000

PEAK DISCHARGE (BASE, 3,100 FT³/S).--No peak above base.

06814500 North Fork Big Nemaha River at Humboldt, Nebr.

LOCATION.--Lat 40°09'25", long 95°56'40", in N1/2 sec.10, T.2 N., R.13 E., Richardson County, on right pile bent of bridge on State Highway 105 at south edge of Humboldt, 800 ft (244 m) downstream from Long Branch Creek.

DRAINAGE AREA.--548 mi² (1,419 km²).

PERIOD OF RECORD.--October 1952 to current year. Prior to October 1965 published as North Fork Nemaha River at Humboldt.

GAGE.--Water-stage recorder. Datum of gage is 944.44 ft (287.865 m) above mean sea level. Prior to Apr. 5, 1968, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--23 years, 189 ft³/s (5.352 m³/s), 136,900 acre-ft/yr (0.169 km³/yr): median of yearly mean discharges, 110 ft³/s (3.115 m³/s), 79,700 acre-ft/yr (98.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 13,800 ft³/s (391 m³/s) June 18, gage height, 15.00 ft (4.572 m); minimum daily, 11 ft³/s (0.31 m³/s) Aug. 23, 24.

Period of record: Maximum discharge, 51,000 ft³/s (1,440 m³/s) July 10, 1958, gage height, 31.70 ft (9.662 m); minimum daily, 6.2 ft³/s (0.18 m³/s) Aug. 8, 9, 1957, July 12, 1966.

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	80	33	40	42	740	97	69	107	51	19	18
2	27	47	45	41	40	600	84	67	92	46	27	16
3	27	43	43	44	39	447	95	72	115	40	28	14
4	26	42	45	59	60	305	90	64	61	42	27	21
5	26	38	44	69	90	246	113	62	64	38	18	45
6	28	36	45	60	80	356	94	64	49	35	14	36
7	30	34	45	59	70	291	77	71	46	30	16	27
8	28	34	45	54	62	243	113	62	59	31	14	24
9	27	42	41	50	56	201	122	54	72	31	14	21
10	28	74	43	47	56	180	94	51	106	31	16	21
11	32	45	48	44	58	170	67	312	455	27	14	37
12	27	39	46	42	54	135	64	192	99	27	13	23
13	44	37	41	40	52	117	72	104	67	27	13	21
14	36	39	39	39	54	122	132	80	57	27	20	20
15	33	38	47	40	56	128	115	64	50	21	22	21
16	31	37	45	41	56	192	97	61	56	21	18	22
17	31	35	43	43	58	1190	72	49	50	20	17	21
18	28	33	38	45	60	1300	126	48	3950	18	16	22
19	28	33	39	48	62	936	113	48	1000	21	15	22
20	27	34	39	52	62	525	77	44	240	93	15	19
21	29	34	40	49	64	322	68	43	160	57	15	19
22	27	33	41	50	64	237	65	45	294	126	13	18
23	27	34	43	48	66	180	207	57	175	58	11	18
24	30	34	46	52	70	135	519	41	140	42	11	18
25	33	34	37	60	74	85	168	43	113	32	12	18
26	32	34	40	62	80	82	94	55	77	24	14	19
27	28	35	41	58	94	711	87	43	71	21	15	21
28	33	35	44	54	235	725	80	72	61	19	18	24
29	36	37	43	50	---	237	150	142	57	19	19	22
30	78	35	45	45	---	142	90	470	54	18	18	22
31	172	---	47	41	---	117	---	150	---	19	18	---
TOTAL	1115	1185	1321	1526	1914	11397	3442	2799	7997	1112	520	670
MEAN	36.0	39.5	42.6	49.2	68.4	368	115	90.3	267	35.9	16.8	22.3
MAX	172	80	48	69	235	1300	519	470	3950	126	28	45
MIN	26	33	33	39	39	82	64	41	46	18	11	14
AC-FT	2210	2350	2620	3030	3800	22610	6830	5550	15860	2210	1030	1330

CAL YR 1974 TOTAL 43036 MEAN 118 MAX 2000 MIN 23 AC-FT 85360
WTR YR 1975 TOTAL 34998 MEAN 95.9 MAX 3950 MIN 11 AC-FT 69420

PEAK DISCHARGE (BASE, 5,000 FT³/S).--June 18 (1400) 13,800 ft³/s (15.00 ft).

06815000 Big Nemaha River at Falls City, Nebr.

LOCATION.--Lat 40°02'00", long 95°35'30", on line between secs.22 and 23, T.1 N., R.16 E., Richardson County, near right bank on downstream side of pier of bridge on U.S. Highway 73, 1 mi (2 km) south of Falls City and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--1,340 mi² (3,471 km²).

PERIOD OF RECORD.--March 1944 to current year. Prior to October 1965, published as Nemaha River at Falls City.

GAGE.--Water-stage recorder for stages above 6.1 ft (1.86 m); nonrecording gage read twice daily. Datum of gage is 861.24 ft (262.506 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 16, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 580 ft³/s (16.43 m³/s), 420,200 acre-ft/yr (0.518 km³/yr); median of yearly mean discharges, 400 ft³/s (11.33 m³/s), 290,000 acre-ft/yr (0.358 km³/yr).

EXTREMES.--Current year: Maximum discharge, 8,160 ft³/s (231 m³/s) June 18, gage height, 12.20 ft (3.719 m); minimum daily, 30 ft³/s (0.85 m³/s) Aug. 24.
Period of record: Maximum discharge, 71,600 ft³/s (2,030 m³/s) Oct. 11, 1973, gage height, 31.40 ft (9.571 m); minimum daily discharge, 4.3 ft³/s (0.12 m³/s) Dec. 15, 16, 1953.

REMARKS.--Records fair except those for winter period, which are poor.

REVISIONS.--WSP 1086: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	885	66	61	185	1900	282	335	1020	255	54	34
2	56	286	59	67	180	1200	254	288	645	222	67	32
3	59	156	52	163	175	691	201	282	1230	204	77	33
4	64	137	53	235	240	522	214	270	1470	189	65	321
5	66	105	91	282	320	494	282	249	625	164	59	216
6	84	94	99	224	250	510	286	237	461	132	53	108
7	58	91	101	165	225	454	232	267	356	126	51	114
8	60	70	73	97	210	390	222	234	300	118	48	72
9	69	67	81	93	165	387	300	204	307	124	46	54
10	66	170	80	91	170	320	373	183	366	108	48	56
11	64	188	97	88	140	248	237	430	2810	98	44	318
12	67	133	83	84	125	195	185	1200	1840	96	48	86
13	85	111	81	82	110	158	170	528	755	[illegible]	58	74
14	72	97	80	80	116	131	206	349	478	75	56	58
15	69	94	97	80	145	143	306	307	412	78	124	56
16	66	85	94	82	120	317	306	237	370	70	124	53
17	69	85	93	82	130	1660	235	210	346	62	86	53
18	71	83	63	84	120	2030	272	186	2820	47	60	56
19	64	83	80	92	130	1780	614	164	5000	51	54	58
20	67	75	80	82	140	1160	443	143	1600	124	177	53
21	67	80	83	90	140	770	303	134	746	279	134	51
22	65	80	101	84	145	542	235	132	760	307	46	46
23	65	77	87	86	150	412	292	147	1220	609	34	42
24	66	72	88	90	160	398	1220	136	746	342	30	42
25	65	77	50	140	170	286	2570	132	528	154	36	40
26	65	72	36	200	190	222	845	141	450	101	31	40
27	65	72	85	240	320	438	593	139	398	77	33	40
28	67	73	75	215	1080	1890	482	192	318	65	44	75
29	83	75	70	190	---	1000	433	737	282	64	51	58
30	101	71	67	170	---	446	419	3160	264	62	39	75
31	1430	---	94	195	---	331	---	2920	---	60	39	---
TOTAL	3469	3844	2439	4014	5751	21425	13012	14273	28923	4557	1916	2414
MEAN	112	128	78.7	129	205	691	434	460	964	147	61.8	80.5
MAX	1430	885	101	282	1080	2030	2570	3160	5000	609	177	321
MIN	54	67	36	61	110	131	170	132	264	47	30	32
AC-FT	6880	7620	4840	7960	11410	42500	25810	28310	57370	9040	3800	4790

CAL YR 1974 TOTAL 163269 MEAN 447 MAX 10000 MIN 36 AC-FT 323800
WTR YR 1975 TOTAL 106037 MEAN 291 MAX 5000 MIN 30 AC-FT 210300

PEAK DISCHARGE (BASE, 15,000 FT³/S).--No peak above base.

06821500 Arikaree River at Haigler, Nebr.

LOCATION.--Lat 40°01'45", long 101°58'10", in NE1/4NE1/4 sec.29, T.1 N., R.41 W., Dundy County, on left bank 57 ft (17 m) downstream from bridge on U.S. Highway 34, 1.3 mi (2.1 km) upstream from Burlington Northern Inc. bridge, 1.8 mi (2.9 km) upstream from confluence with North Fork Republican River, 2 mi (3 km) northwest of Haigler, and 3.2 mi (5.1 km) downstream from Kansas-Nebraska State line.

DRAINAGE AREA.--1,640 mi^2 (4,250 km^2), approximately, of which about 980 mi^2 (2,540 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 3,250.98 ft (990.899 m) above mean sea level. See WSP 1919 for history of changes prior to Sept. 29, 1964.

AVERAGE DISCHARGE.--44 years, 25.0 ft^3/s (0.708 m^3/s), 18,110 acre-ft/yr (22.3 hm^3/yr); median of yearly mean discharges, 21 ft^3/s (0.595 m^3/s), 15,200 acre-ft/yr (18.7 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,250 ft^3/s (35.4 m^3/s) May 29, gage height, 8.04 ft (2.451 m); minimum daily, 0.50 ft^3/s (0.014 m^3/s) Jan. 12, Feb. 6,7,10.

Period of record: Maximum discharge, 50,000 ft^3/s (1,420 m^3/s) May 31, 1935, gage height, 11.2 ft (3.41 m), site and datum then in use, from floodmarks, from rating curve extended above 3,800 ft^3/s (108 m^3/s) on basis of slope-area measurement of peak flow; no flow for some periods in most years.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by ground-water withdrawals and diversions for irrigation of about 1,500 acres (6.07 km^2) in Colorado and by return flow from Pioneer Canal.

REVISIONS (WATER YEARS).--WSP 1919: 1951, 1954, 1956, 1960. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	8.5	1.6	1.6	1.5	14	20	20	60	7.7	1.2	1.6
2	7.8	8.2	1.4	1.4	1.5	14	14	20	43	4.5	1.3	1.2
3	7.2	8.7	1.3	1.4	8.0	15	21	16	51	3.8	1.9	.87
4	6.9	10	1.1	1.4	4.8	18	21	12	45	2.8	2.8	.79
5	5.1	9.8	1.1	1.2	2.0	16	18	12	38	1.9	2.7	.83
6	4.1	6.6	1.4	1.1	.50	15	15	12	34	1.4	1.3	.70
7	4.1	3.5	1.4	.92	.50	11	14	9.5	37	1.3	.99	.85
8	4.5	3.1	1.0	.81	.53	13	17	5.0	48	1.4	.82	1.4
9	5.0	2.6	1.1	.71	.54	10	22	4.1	34	1.5	.81	1.9
10	5.7	2.3	1.1	.70	.50	8.0	23	7.2	32	1.6	1.1	1.3
11	6.9	2.0	1.0	.55	.80	7.0	21	13	37	1.6	1.2	1.2
12	7.3	1.8	1.0	.50	4.5	7.5	21	10	31	1.7	1.3	1.5
13	9.5	1.7	1.0	.75	9.0	8.0	21	33	27	1.9	1.3	1.6
14	13	1.6	.99	1.9	7.5	10	22	21	34	1.8	1.6	2.1
15	17	1.7	.83	1.5	5.2	14	22	15	31	1.0	1.3	2.3
16	17	1.7	.86	1.1	2.8	15	19	15	32	.84	1.8	3.2
17	12	1.5	1.1	1.0	2.4	13	17	12	31	.81	2.9	3.0
18	9.0	1.4	1.0	1.0	3.0	11	17	10	182	.78	3.7	2.8
19	8.5	1.4	1.0	1.2	4.8	11	19	6.9	63	.88	3.9	3.1
20	8.2	1.3	.96	1.1	7.9	11	18	4.8	35	.98	2.0	3.0
21	8.2	1.2	.94	.67	8.5	11	16	3.8	32	1.2	1.6	6.1
22	7.5	1.2	1.1	.75	9.0	13	14	4.3	30	2.1	1.4	7.8
23	7.5	1.4	.76	.80	9.0	13	13	11	41	34	2.0	5.1
24	8.4	1.4	.92	.74	10	7.6	12	11	40	3.7	2.3	3.3
25	9.9	1.4	1.2	3.0	12	9.1	9.8	16	39	1.7	1.9	2.5
26	11	1.3	1.4	4.5	12	12	8.5	17	23	1.4	2.1	1.6
27	11	1.2	1.2	5.0	13	56	7.4	17	22	1.8	1.1	1.2
28	11	1.2	1.2	4.0	13	10	5.5	29	21	1.9	.88	2.2
29	12	.98	1.4	2.6	---	10	4.5	470	16	1.5	.88	2.4
30	11	1.1	1.4	1.0	---	21	5.8	142	8.5	1.0	.76	2.2
31	9.9	---	1.4	1.5	---	30	---	91	---	1.7	.87	---
TOTAL	274.3	91.78	35.16	46.40	154.77	434.2	478.5	1070.6	1197.5	92.19	51.71	69.64
MEAN	8.85	3.06	1.13	1.50	5.53	14.0	16.0	34.5	39.9	2.97	1.67	2.32
MAX	17	10	1.6	5.0	13	56	23	470	182	34	3.9	7.8
MIN	4.1	.98	.76	50	.50	7.0	4.5	3.8	8.5	.78	.76	.70
AC-FT	544	182	70	92	307	861	949	2120	2380	183	103	138

CAL YR 1974 TOTAL 4877.87 MEAN 13.4 MAX 284 MIN 0 AC-FT 9680
WTR YR 1975 TOTAL 3996.75 MEAN 11.0 MAX 470 MIN .50 AC-FT 7930

PEAK DISCHARGE (BASE, 800 FT^3/S).--May 29 (0600) 1,250 ft^3/s (8.04 ft).

06823000 North Fork Republican River at Colorado-Nebraska State line

LOCATION.--Lat 40°04'10", long 102°03'05", in sec.10, T.1 N., R.42 W., Dundy County, Nebr., on right bank 100 ft (30 m) east of Colorado-Nebraska State line and 9.5 mi (15.3 km) upstream from confluence with Arikaree River.

DRAINAGE AREA.--1,360 mi² (3,520 km²), approximately, of which about 100 mi² (260 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1930 to current year. Prior to October 1932, published as North Fork of Arikaree River at Colorado-Nebraska State line. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Steel piling control since January 1965. Datum of gage is 3,336.09 ft (1,016.840 m) above mean sea level. Prior to Oct. 17, 1934, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--45 years, 48.8 ft³/s (1.382 m³/s), 35,360 acre-ft/yr (43.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 243 ft³/s (6.88 m³/s) May 30, gage height, 2.49 ft (0.759 m); minimum daily, 5.4 ft³/s (0.15 m³/s) May 20,21.

Period of record: Maximum discharge, 2,110 ft³/s (59.8 m³/s) Apr. 28, 1947, gage height, 5.92 ft (1.804 m), from rating curve extended above 800 ft³/s (22.7 m³/s) on basis of slope-area measurement of peak flow; no flow Aug. 25, 26, 1932.

REMARKS.--Records good. Natural flow affected by diversion in Pioneer Canal for irrigation of about 2,700 acres (10.9 km²) in Colorado and Nebraska.

REVISIONS (WATER YEARS).--WSP 1240: 1947(M). WSP 1390: 1934. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	30	60	62	61	61	65	21	79	11	10	6.7
2	13	30	60	62	61	61	65	23	69	9.1	9.9	12
3	12	37	62	61	62	64	65	23	46	11	12	13
4	14	53	64	64	63	66	65	17	46	10	12	12
5	18	67	65	62	58	67	65	12	46	8.0	10	9.4
6	19	69	66	63	52	68	65	12	46	8.0	9.6	8.2
7	16	68	67	64	54	66	65	11	46	11	8.8	7.8
8	15	67	64	64	54	65	64	11	84	8.6	8.0	10
9	14	66	63	64	56	64	64	11	71	8.6	8.5	11
10	15	65	63	64	60	64	64	13	55	9.6	11	8.5
11	13	63	64	57	60	65	64	9.9	53	8.4	9.7	9.3
12	14	62	63	46	58	64	64	11	51	6.8	8.2	9.4
13	15	62	62	48	54	65	64	55	39	7.5	11	9.2
14	14	61	63	54	50	66	62	57	38	7.9	14	9.6
15	16	63	65	62	50	66	60	38	34	7.8	12	10
16	23	64	64	65	52	65	59	13	31	7.7	11	10
17	17	65	64	66	52	65	60	8.0	35	7.8	11	8.4
18	16	65	66	67	56	62	67	7.8	73	6.8	11	7.7
19	17	67	65	67	62	61	70	7.4	49	6.4	11	8.2
20	20	65	67	68	66	61	68	5.4	42	7.2	12	8.2
21	22	65	65	68	68	61	67	5.4	50	6.9	11	7.9
22	21	65	66	65	70	61	69	8.7	45	8.2	9.3	8.5
23	19	65	63	66	70	61	65	34	41	9.1	7.3	8.2
24	19	66	60	67	68	62	64	47	46	9.2	6.5	11
25	22	66	60	66	68	62	60	22	43	7.9	6.8	12
26	26	65	61	65	66	63	55	16	39	6.5	6.1	13
27	24	64	62	65	62	63	50	9.5	25	5.9	6.3	9.4
28	21	65	63	64	62	63	51	16	23	6.4	7.4	10
29	30	63	63	62	---	64	52	112	24	8.3	7.2	13
30	30	59	62	61	---	64	25	188	21	8.6	8.1	13
31	31	---	61	60	---	64	---	94	---	11	7.2	---
TOTAL	576	1832	1963	1939	1675	1974	1843	919.1	1391	257.2	293.9	294.6
MEAN	18.6	61.1	63.3	62.5	59.8	63.7	61.4	29.6	46.4	8.30	9.48	9.82
MAX	31	69	67	68	70	68	70	188	84	11	14	13
MIN	10	30	60	46	50	61	25	5.4	21	5.9	6.1	6.7
AC-FT	1140	3630	3890	3850	3320	3920	3660	1820	2760	510	583	584

CAL YR 1974 TOTAL 14998.0 MEAN 41.1 MAX 146 MIN 4.0 AC-FT 29750
WTR YR 1975 TOTAL 14957.8 MEAN 41.0 MAX 188 MIN 5.4 AC-FT 29670

PEAK DISCHARGE (BASE, 130 FT³/S).--May 30 (0600) 243 ft³/s (2.49 ft).

06823500 Buffalo Creek near Haigler, Nebr.

LOCATION.--Lat 40°02'45", long 101°52'15", in NW1/4SW1/4 sec.20, T.1 N., R.40 W., Dundy County, on right bank 90 ft (27 m) downstream from county highway bridge, 0.8 mi (1.3 km) upstream from mouth, and 4 mi (6 km) northeast of Haigler.

DRAINAGE AREA.--260 mi² (670 km²), approximately, of which about 13 mi² (34 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Concrete control since June 1954. Datum of gage is 3,204.57 ft (976.753 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 7.89 ft³/s (0.223 m³/s), 5,720 acre-ft/yr (7.05 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 15 ft³/s (0.42 m³/s) May 29, gage height, 4.76 ft (1.451 m); maximum gage height, 5.54 ft (1.689 m) Jan. 13, backwater from ice; no flow for many days.
Period of record: Maximum discharge, about 140 ft³/s (3.96 m³/s) June 27, 1948, gage height, 4.37 ft (1.332 m); maximum gage height recorded, 5.78 ft (1.762 m) Mar. 7, 1960, backwater from ice; no flow at times in 1955, 1968, 1973-75.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by diversion about 0.5 mi (0.8 km) upstream for irrigation of 880 acres (3.56 km²).

REVISIONS (WATER YEARS).--WSP 2119: 1948-50(M), 1957(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	8.2	7.8	8.2	8.5	9.0	9.2	8.6	10	5.8	0	0
2	1.6	8.2	8.5	8.4	9.7	8.5	9.8	8.8	4.5	3.0	0	0
3	1.3	10	9.0	8.4	9.5	11	10	8.7	4.1	2.6	0	0
4	.89	11	9.6	8.6	9.8	10	9.4	8.6	3.8	2.2	0	0
5	.62	10	9.3	8.6	9.0	9.6	9.3	8.4	3.6	2.7	0	0
6	.58	9.8	9.4	8.8	8.5	9.6	9.1	8.3	3.6	1.9	0	0
7	.11	9.3	9.3	9.2	9.0	9.6	9.6	8.5	3.5	1.6	0	0
8	.01	9.0	8.0	9.6	9.4	9.4	9.3	8.5	3.9	.64	0	0
9	0	8.8	9.2	9.0	9.0	9.5	9.4	8.5	3.3	0	0	0
10	0	8.5	9.8	5.0	9.2	9.6	9.4	8.5	3.1	0	0	0
11	0	8.3	9.6	6.5	10	9.7	9.8	8.6	2.9	0	0	0
12	0	8.0	9.5	7.0	9.5	9.2	9.5	8.9	2.5	0	0	0
13	.10	8.2	9.6	7.8	9.2	9.2	9.7	13	2.3	0	.55	.52
14	3.6	8.2	9.4	8.5	9.1	9.5	10	12	2.0	0	.81	.90
15	6.5	8.4	9.0	8.0	8.8	9.3	9.8	11	1.9	0	.09	2.7
16	6.1	8.5	9.2	9.0	8.4	9.1	9.5	10	1.6	0	.38	3.5
17	6.2	8.4	9.8	9.6	8.0	9.0	9.5	9.5	2.0	0	.12	3.5
18	6.4	8.5	9.3	10	8.6	8.6	10	9.4	9.7	0	.07	3.4
19	6.5	8.4	9.0	11	9.5	8.4	10	9.5	8.8	0	.05	1.9
20	6.6	8.4	9.3	11	9.3	8.8	9.7	8.9	7.7	0	.38	.03
21	6.6	8.4	9.1	10	9.1	8.8	9.4	7.5	9.8	0	.20	.02
22	6.1	8.5	9.3	11	8.8	9.2	9.3	7.4	8.5	0	.16	.01
23	5.7	8.5	9.9	11	9.0	8.6	9.0	7.3	7.7	.04	.15	.01
24	6.1	8.3	9.6	10	9.0	8.8	9.0	7.0	7.7	0	.08	0
25	7.2	8.4	9.2	10	9.1	8.5	9.1	4.3	8.2	0	.01	.01
26	8.0	8.2	9.2	9.9	9.1	8.6	8.8	.80	7.8	0	.10	0
27	8.6	8.1	9.0	9.9	9.2	8.0	8.7	.10	7.5	0	.16	0
28	8.2	8.2	8.6	8.5	9.1	8.2	8.5	.07	7.2	0	.20	2.8
29	8.3	7.8	8.0	8.8	---	8.8	8.6	8.2	6.9	0	0	6.4
30	8.2	7.5	8.0	9.0	---	9.0	8.7	14	6.6	0	.18	5.8
31	8.2	---	8.2	8.8	---	9.5	---	13	---	0	0	---
TOTAL	130.21	258.0	281.7	279.1	254.4	282.6	281.1	255.87	162.7	19.98	3.69	31.50
MEAN	4.20	8.60	9.09	9.00	9.09	9.12	9.37	8.25	5.42	.64	.12	1.05
MAX	8.6	11	9.9	11	10	11	10	14	10	5.8	.81	6.4
MIN	0	7.5	7.8	5.0	8.0	8.0	8.5	.07	1.6	0	0	0
AC-FT	258	512	559	554	505	561	558	508	323	40	7.3	62

CAL YR 1974 TOTAL 2126.32 MEAN 5.83 MAX 16 MIN 0 AC-FT 4220
WTR YR 1975 TOTAL 2240.85 MEAN 6.14 MAX 14 MIN 0 AC-FT 4440

PEAK DISCHARGE (BASE, 20 FT³/S).--No peak above base.

06824000 Rock Creek at Parks, Nebr.

LOCATION.--Lat 40°02'30", long 101°43'40", in SW1/4NE1/4 sec.21, T.1 N., R.39 W., Dundy County, on right bank at west edge of Parks, 100 ft (30 m) downstream from county road bridge and 0.5 mi (0.8 km) upstream from mouth.

DRAINAGE AREA.--20 mi² (52 km²), approximately, of which about 17 mi² (44 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,093.35 ft (942.853 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 14.2 ft³/s (0.402 m³/s), 10,290 acre-ft/yr (12.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 24 ft³/s (0.68 m³/s) Jan. 22, gage height, 1.97 ft (0.600 m); maximum gage height, 2.78 ft (0.847 m) Mar. 28, backwater from ice; minimum daily discharge, 9.8 ft³/s (0.28 m³/s) July 16, Sept. 2.

Period of record: Maximum discharge, 493 ft³/s (14.0 m³/s) July 5, 1965, gage height, 6.00 ft (1.829 m), from rating curve extended above 40 ft³/s (1.13 m³/s) on basis of slope-conveyance study; minimum daily, 3.1 ft³/s (0.088 m³/s) Feb. 19-23, 1943, Oct. 3, 1959.

REMARKS.--Records good except those for winter period, which are poor. One diversion about 2 mi (3 km) above station for irrigation of 215 acres (870,000 m²); flow regulated at times by reservoir at State fish hatchery 7 mi (11 km) upstream.

REVISIONS (WATER YEARS).--WSP 1630: 1951(M). WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	13	14	13	14	14	13	17	14	10	10
2	13	13	14	14	13	14	14	14	17	12	10	9.8
3	13	16	14	14	13	14	13	14	16	12	10	10
4	13	17	13	14	12	14	13	14	15	12	10	10
5	13	16	14	14	11	14	13	14	14	12	11	11
6	13	15	14	13	11	14	13	14	14	10	10	11
7	13	15	14	13	12	14	13	14	15	9.9	10	10
8	13	15	15	14	14	14	14	13	17	9.9	10	10
9	12	14	15	14	12	14	15	13	17	10	10	11
10	12	14	15	14	13	15	15	14	16	11	10	11
11	12	14	18	12	14	15	14	14	16	11	10	10
12	12	13	17	12	15	14	14	14	15	11	10	10
13	12	13	16	13	15	13	15	20	14	11	11	11
14	12	13	15	14	15	15	14	19	14	10	12	11
15	12	13	14	14	14	15	13	18	13	10	12	11
16	12	13	15	14	13	15	12	15	13	9.8	12	11
17	12	14	14	14	13	15	12	16	12	10	12	11
18	12	13	15	14	14	15	12	15	13	10	12	11
19	13	13	15	15	14	15	12	14	13	11	12	11
20	13	13	15	14	15	14	12	14	13	10	12	11
21	13	13	15	15	15	13	13	14	14	10	12	12
22	13	13	15	17	13	13	13	14	15	10	12	12
23	13	13	15	15	13	14	13	15	15	11	12	12
24	13	13	13	15	14	15	13	15	16	11	12	12
25	14	12	14	14	14	14	12	14	16	11	12	12
26	13	12	14	13	14	14	13	14	16	11	11	13
27	14	13	14	13	14	13	13	14	15	11	11	13
28	14	13	13	13	14	13	12	13	15	11	11	13
29	14	13	13	13	---	14	13	18	14	10	11	13
30	14	12	13	13	---	15	13	20	14	10	11	14
31	14	---	14	14	---	15	---	18	---	10	10	---
TOTAL	398	407	448	429	377	440	395	465	444	332.6	341	337.8
MEAN	12.8	13.6	14.5	13.8	13.5	14.2	13.2	15.0	14.8	10.7	11.0	11.3
MAX	14	17	18	17	15	15	15	20	17	14	12	14
MIN	12	12	13	12	11	13	12	13	12	9.8	10	9.8
AC-FT	789	807	889	851	748	873	783	922	881	660	676	670

CAL YR 1974 TOTAL 4835.6 MEAN 13.2 MAX 33 MIN 9.2 AC-FT 9590
WTR YR 1975 TOTAL 4814.4 MEAN 13.2 MAX 20 MIN 9.8 AC-FT 9550

PEAK DISCHARGE (BASE, 25 FT³/S).--No peak above base.

06824500 Republican River at Benkelman, Nebr.

LOCATION.--Lat 40°01'55", long 101°32'30", in SE1/4SW1/4 sec.19, T.1 N., R.37 W., Dundy County, on right bank 150 ft (46 m) downstream from bridge on U.S. Highway 34, 0.6 mi (1.0 km) south of Burlington Northern Inc. track, 1 mi (2 km) southwest of Benkelman, 2 mi (3 km) upstream from South Fork Republican River, and 11 mi (18 km) downstream from Rock Creek.

DRAINAGE AREA.--4,830 mi² (12,500 km²), approximately, of which about 1,230 mi² (3,190 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to September 1895 (published as North Fork Republican River at Benkelman), October 1902 to November 1906, October 1946 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,975.34 ft (906.884 m) above mean sea level. Prior to Dec. 17, 1946, nonrecording gages at several sites within 1.5 mi (2.4 km) of present site at various datums: Dec. 17, 1946, to May 26, 1972, water-stage recorder at site 150 ft (46 m) upstream at same datum.

AVERAGE DISCHARGE.--34 years, 91.6 ft³/s (2.594 m³/s), 66,360 acre-ft/yr (81.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,590 ft³/s (45.0 m³/s) May 29, gage height, 4.52 ft (1.378 m); no flow Aug. 31 to Sept. 3.

Period of record: Maximum discharge, 6,040 ft³/s (171 m³/s) Sept. 7, 1951, gage height, 7.58 ft (2.310 m); maximum gage height, 7.80 ft (2.377 m) Aug. 9, 1950; no flow at times in most years.

Maximum stage since at least 1826, 13.1 ft (3.99 m) May 31, 1935, from elevations furnished by State Highway Department.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation developments above station.

REVISIONS (WATER YEARS).--WSP 1310: 1895. WSP 1919: 1952, 1956. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	43	65	65	100	115	118	53	177	45	5.5	0
2	13	40	68	70	125	115	100	50	143	35	5.0	0
3	13	61	72	70	120	110	187	48	122	28	5.3	0
4	13	65	75	75	115	111	216	45	104	26	4.1	1.2
5	15	85	78	85	90	115	199	41	100	24	4.0	3.8
6	15	91	80	92	70	101	158	37	99	23	2.9	2.4
7	17	90	76	100	85	112	147	37	114	20	1.9	1.5
8	19	87	68	105	85	90	142	35	179	20	.67	1.2
9	20	89	70	110	90	84	153	30	156	20	1.3	1.3
10	20	86	75	105	100	80	139	31	130	23	1.1	.90
11	22	85	80	90	105	80	121	32	119	17	.27	1.0
12	23	84	85	75	105	78	120	44	118	15	.16	3.1
13	24	86	80	78	100	78	127	99	103	14	1.8	4.9
14	27	83	76	85	90	82	126	124	89	11	6.6	4.9
15	31	82	70	85	85	87	113	109	80	8.2	8.0	5.7
16	33	84	70	88	90	82	103	83	80	3.6	9.4	5.1
17	36	82	65	90	92	93	100	50	86	2.3	8.3	4.9
18	34	79	68	95	94	87	111	40	146	4.3	9.1	3.3
19	32	79	74	100	96	82	108	37	320	3.3	9.9	4.6
20	34	79	80	110	98	100	108	32	136	2.5	6.4	4.8
21	34	78	95	120	105	112	102	31	143	3.1	2.4	5.2
22	35	77	120	130	110	115	98	29	180	2.7	5.0	5.5
23	36	79	110	125	115	135	96	30	104	6.9	2.4	5.8
24	37	79	86	120	120	123	94	43	108	30	2.1	6.4
25	38	77	64	120	125	100	84	58	97	9.4	.88	6.7
26	40	78	60	116	120	105	84	47	103	3.3	1.1	6.9
27	44	77	60	112	118	162	82	45	78	1.7	.75	6.4
28	45	77	55	100	118	105	74	40	69	1.1	.25	7.1
29	48	74	55	100	---	80	67	325	60	.36	.34	7.8
30	48	67	58	105	---	132	66	221	55	.24	.04	8.9
31	47	---	60	105	---	135	---	248	---	8.9	0	---
TOTAL	905	2323	2298	3026	2866	3186	3543	2174	3598	412.90	106.86	121.30
MEAN	29.2	77.4	74.1	97.6	102	103	118	70.1	120	13.3	3.45	4.04
MAX	48	91	120	130	125	162	216	325	320	45	9.9	8.9
MIN	12	40	55	65	70	78	66	29	55	.24	0	0
AC-FT	1800	4610	4560	6000	5680	6320	7030	4310	7140	819	212	241

CAL YR 1974 TOTAL 25136.21 MEAN 68.9 MAX 378 MIN 0 AC-FT 49860
WTR YR 1975 TOTAL 24560.06 MEAN 67.3 MAX 325 MIN 0 AC-FT 48710

PEAK DISCHARGE (BASE, 550 FT³/S).--May 29 (1630) 1,590 ft³/s (4.52 ft), June 19 (0100) 874 ft³/s (3.97 ft).

06827500 South Fork Republican River near Benkelman, Nebr.

LOCATION.--Lat 40°00'34", long 101°32'32", in NE1/4SW1/4 sec.31, T.1 N., R.37 W., Dundy County, on right bank 100 ft (30 m) upstream from bridge on State Highway 61, 1 mi (2 km) downstream from Kansas-Nebraska State line, 2.5 mi (4.0 km) southwest of Benkelman, and 4 mi (6 km) upstream from mouth.

DRAINAGE AREA.--2,740 mi² (7,100 km²), approximately, of which about 2,190 mi² (5,670 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to September 1895, October 1902 to November 1906, October 1930 to September 1932, August 1937 to current year. Published as South Fork of Republican River at Benkelman prior to 1906 and as Republican River at Benkelman 1931-32. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,990.91 ft (911.629 m) above mean sea level. Prior to Dec. 10, 1947, nonrecording gages at several sites within 3.5 mi (5.6 km) of present site at various datums. Dec. 10, 1947, to Sept. 28, 1966, water-stage recorder 130 ft (40 m) downstream at datum 2.00 ft (0.610 m) higher, and Sept. 29, 1966, to Mar. 7, 1968, at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--45 years, 55.4 ft³/s (1.569 m³/s), 40,140 acre-ft/yr (49.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,930 ft³/s (168 m³/s) June 21, gage height, 7.17 ft (2.185 m); no flow for many days.

Period of record: Maximum discharge determined, 19,600 ft³/s (555 m³/s) Aug. 16, 1958, gage height, 8.70 ft (2.652 m), site and datum then in use, but may have been higher during flood of June 24, 1945; no flow at times in most years.

Maximum stage known since at least 1923, 10.1 ft (3.08 m) May 31, 1935, from floodmarks at site 0.2 mile downstream, at datum 2.00 ft (0.610 m) higher, discharge, 150,000 ft³/s (4,250 m³/s), by slope-area measurement.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by irrigation development above station, and since July 6, 1950, by storage in Bonny Reservoir.

REVISIONS (WATER YEARS).--WSP 1310: 1904-6, 1931. WSP 1390: 1940, 1945, 1947. WSP 1919: 1951-52, 1954-56. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	1.0	18	26	22	25	169	96	29	
2			0	1.4	25	25	23	22	163	91	11	
3			0	1.8	37	25	25	21	154	90	4.2	
4			0	2.0	32	28	20	20	139	89	1.4	
5			0	2.4	20	28	18	17	130	87	.10	
6			0	2.8	15	24	17	14	148	83	0	
7			0	3.5	18	21	19	13	157	84	0	
8			0	4.0	18	24	20	14	142	86	0	
9			0	4.8	16	24	22	15	124	88	0	
10			0	4.0	20	24	20	16	116	104	0	
11			.67	2.0	22	20	21	17	126	130	0	
12			1.8	1.5	22	22	21	18	112	99	0	
13			2.3	2.6	20	24	29	65	110	90	0	
14			1.4	5.0	15	24	44	48	108	89	0	
15			1.0	6.0	12	26	45	30	62	97	0	
16			.40	8.0	12	24	44	23	48	79	0	
17			.50	10	10	24	45	20	43	45	0	
18			2.0	15	10	23	53	18	70	31	0	
19			4.0	25	11	23	51	17	685	23	0	
20			8.0	34	13	20	48	15	151	18	0	
21			12	38	15	18	48	13	2980	16	0	
22			16	40	17	18	48	16	1480	15	3.6	
23			14	40	20	22	46	13	305	13	.33	
24			6.5	38	22	18	46	8.8	175	7.9	0	
25			3.0	36	25	22	44	7.5	131	5.0	0	
26			1.0	36	27	19	41	5.8	83	3.7	0	
27			1.0	30	29	24	42	5.9	64	2.6	0	
28			.90	18	27	12	43	372	50	1.2	0	
29			.90	20	---	12	41	480	67	.78	0	
30			.85	20	---	24	35	612	93	.59	0	
31		---	.85	20	---	29	---	175	---	2.0	0	---
TOTAL	0	0	79.07	472.8	548	697	1041	2157.0	8381	1656.67	49.63	0
MEAN	0	0	2.55	15.3	19.6	22.5	34.7	69.6	279	53.4	1.60	0
MAX	0	0	16	40	37	29	53	612	2980	130	29	0
MIN	0	0	0	1.0	10	12	17	5.8	43	.59	0	0
AC-FT	0	0	157	938	1090	1380	2060	4280	16620	3290	98	0

CAL YR 1974 TOTAL 7421.02 MEAN 20.3 MAX 172 MIN 0 AC-FT 14720
WTR YR 1975 TOTAL 15082.17 MEAN 41.3 MAX 2980 MIN 0 AC-FT 29920

06828500 Republican River at Stratton, Nebr.

LOCATION.--Lat 40°08'28", long 101°13'42", in SW1/4NW1/4 sec.13, T.2 N., R.35 W., Hitchcock County, on right bank at downstream side of county bridge, 0.5 mi (0.8 km) south of Stratton, 0.2 mi (0.3 km) downstream from Muddy Creek, 10 mi (16 km) upstream from Trenton Dam, and 19 mi (31 km) downstream from South Fork Republican River.

DRAINAGE AREA.--8,450 mi² (21,900 km²), approximately, of which about 3,800 mi² (9,840 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--July 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,775.49 ft (845.969 m) above mean sea level. Prior to Aug. 1, 1967, at site 0.3 mi (0.5 km) downstream at present datum.

AVERAGE DISCHARGE.--25 years, 141 ft³/s (3.993 m³/s), 102,200 acre-ft/yr (0.126 km³/yr): median of yearly mean discharges, 120 ft³/s (3.398 m³/s), 86,900 acre-ft/yr (0.107 km³/yr).

EXTREMES.--Current year: Maximum discharge, 3,540 ft³/s (100 m³/s) June 21, gage height, 8.66 ft (2.640 m); no flow for many days.

Period of record: Maximum discharge, 26,800 ft³/s (759 m³/s) July 31, 1962, gage height, 9.34 ft (2.847 m), site then in use; no flow at times in most years.

Maximum flood since at least 1826 occurred May 31, 1935, discharge, about 200,000 ft³/s (5,660 m³/s), based on slope-area measurement at Max.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station and by storage in Bonny Reservoir. (See sta 06826000.)

REVISIONS (WATER YEARS).--WSP 2119: Drainage area. WRD Nebr. 1973: 1968-71(M),1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	45	40	80	110	137	176	118	335	219	2.6	
2	0	45	45	80	140	145	156	105	311	209	1.9	
3	0	61	50	80	135	152	136	94	298	186	2.0	
4	0	81	60	82	130	161	156	91	282	167	.90	
5	0	85	70	82	115	164	156	84	266	144	.03	
6	0	88	80	86	105	164	150	73	258	130	0	
7	0	88	60	86	120	157	153	66	313	114	0	
8	0	89	40	90	120	148	160	60	465	112	0	
9	0	92	45	90	110	146	160	56	476	112	0	
10	0	94	49	85	125	144	160	51	385	147	0	
11	0	95	60	70	130	154	160	54	375	158	0	
12	0	96	75	60	130	166	157	62	368	160	0	
13	0	98	75	65	120	155	165	150	357	142	0	
14	0	99	70	80	100	171	187	193	344	123	0	
15	0	101	65	80	90	178	194	171	329	112	0	
16	0	99	65	85	90	171	188	133	295	103	0	
17	0	97	60	90	92	165	178	96	293	96	0	
18	4.4	95	64	110	96	159	198	71	514	78	0	
19	8.0	95	66	130	98	155	208	63	1050	52	0	
20	8.7	95	70	150	100	150	205	55	784	33	0	
21	12	97	75	150	110	146	188	50	1730	19	0	
22	13	98	85	145	115	150	178	48	1860	11	0	
23	14	98	82	145	120	153	174	46	683	5.8	0	
24	18	101	75	140	140	150	165	41	626	3.9	0	
25	23	105	75	140	160	142	150	44	543	12	0	
26	26	95	70	135	170	139	146	58	461	9.6	0	
27	28	69	70	130	162	153	141	50	393	2.6	0	
28	36	66	70	110	137	145	131	82	318	.67	0	
29	44	50	74	115	---	136	125	377	270	.15	0	
30	45	40	74	115	---	139	123	789	232	.03	0	
31	45	---	78	120	---	168	---	438	---	.80	0	---
TOTAL	325.1	2557	2037	3206	3370	4763	4924	3869	15214	2662.55	7.43	0
MEAN	10.5	85.2	65.7	103	120	154	164	125	507	85.9	.24	0
MAX	45	105	85	150	170	178	208	789	1860	219	2.6	0
MIN	0	40	40	60	90	136	123	41	232	.03	0	0
AC-FT	645	5070	4040	6360	6680	9450	9770	7670	30180	5280	15	0

CAL YR 1974 TOTAL 36240.39 MEAN 99.3 MAX 1080 MIN 0 AC-FT 71880
WTR YR 1975 TOTAL 42935.08 MEAN 118 MAX 1860 MIN 0 AC-FT 85160

06829000 Swanson Lake near Trenton, Nebr.

LOCATION.--Lat 40°10'10", long 101°03'35", in SE1/4NE1/4 sec.5, T.2 N., R.33 W., Hitchcock County, in gate-control house at right end of spillway on downstream side of Trenton Dam on Republican River, 2.5 mi (4.0 km) west of Trenton.

DRAINAGE AREA.--8,620 mi^2 (22,300 km^2), approximately, of which about 3,940 mi^2 (10,200 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--May 1953 to current year.

GAGE.--Water-stage recorder. Gage is referred to mean sea level. Prior to Nov. 13, 1953, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum contents, 118,400 acre-ft (0.146 km^3) July 2, elevation, 2,751.64 ft (838.700 m); minimum contents observed, 61,880 acre-ft (76.3 hm^3) Oct. 26-30, elevation, 2,738.42 ft (834.670 m).

Period of record: Maximum contents, 148,900 acre-ft (0.184 km^3) Aug. 2, 3, 1962, elevation, 2,757.42 ft (840.462 m); minimum since operation of reservoir began, 19,950 acre-ft (24.6 hm^3) Oct. 24, 1954, elevation, 2,722.61 ft (829.852 m).

REMARKS.--Reservoir is formed by earthfill dam; storage began May 4, 1953. Capacity, 116,100 acre-ft (0.143 km^3) between elevations 2,710.0 ft (826.01 m), sill of outlet gates, and 2,752.0 ft (838.81 m), top of storage pool. Top of flood-control pool is at elevation 2,773.0 ft (845.21 m), capacity, 254,000 acre-ft (0.313 km^3). Top of superstorage flood-control pool at elevation 2,785.0 ft (848.87 m), capacity, 361,600 acre-ft (0.446 km^3). Dead storage, 4,100 acre-ft (5.06 hm^3). Figures given herein represent total contents. Water used for irrigation in Frenchman-Cambridge irrigation project.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS.--WSP 2119: Drainage area.

Capacity table (elevation, in feet, and
usable contents, in acre-feet)

2,735	50,280	2,750	110,500
2,740	67,730	2,755	135,600
2,745	87,930		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62570	62030	65220	69180	74610	81250	88450	96670	101400	118300	90600	67130
2	62530	62170	65290	69330	74730	81540	88750	96800	101900	118300	89820	66710
3	62530	62240	65370	69410	75010	81660	89090	96890	102500	118100	89520	66260
4	62530	62390	65480	69560	75200	82040	89440	96980	102900	117800	88320	66040
5	62500	62460	65550	69640	75400	82330	89690	97030	103100	117500	87500	65740
6	62500	62570	65740	69800	75480	82540	90080	97070	103500	117100	86650	65440
7	62420	62640	65810	69990	75560	82780	90430	97120	104000	116700	85670	65030
8	62420	62790	65960	70070	75640	82950	90640	96490	105200	116000	84670	64730
9	62350	62970	66110	70340	75800	83280	90950	96490	105700	115000	83780	64510
10	62320	63040	66230	70450	75920	83410	91120	96630	106200	114300	82780	64320
11	62280	63190	66340	70530	76200	83700	91380	96630	106600	113300	81700	64140
12	62240	63260	66560	70650	76360	84040	91640	96980	107000	112400	80710	63950
13	62240	63410	66640	70770	76690	84250	91860	97340	107300	111400	79600	63740
14	62240	63440	66870	70800	77090	84540	92120	97520	107500	110300	78550	63590
15	62210	63520	66940	70840	77370	84830	92380	97610	107800	109100	77730	63480
16	62170	63630	66980	70920	77530	85040	92690	97660	107900	108000	77050	63300
17	62170	63700	67170	71150	77730	85340	92950	97750	108100	106900	76360	63370
18	62130	63920	67350	71310	77980	85590	93610	97790	108700	105800	75720	63260
19	62130	63990	67390	71540	78220	85760	93880	97750	109400	104600	75120	63150
20	62130	64140	67540	71820	78460	85970	94230	97610	110300	103400	74610	63040
21	62100	64290	67690	72010	78790	86230	94540	97520	112600	102100	74090	62970
22	62060	64400	68110	72250	79110	86520	94890	97430	115700	101000	73540	62900
23	61960	64510	68230	72400	79320	86820	95200	97250	116700	99810	73070	62830
24	61960	64620	68420	72760	79600	86950	95520	97120	117300	98730	72600	62790
25	61920	64770	68490	73030	79970	86990	95740	97030	117700	97660	71890	62720
26	61880	64960	68570	73270	80430	87040	96000	96940	118000	96540	71040	62610
27	61880	65030	68690	73580	80750	87760	96270	96800	118100	95520	70260	62610
28	61880	65110	68800	73860	81000	87760	96400	96890	118200	94270	69450	62570
29	61880	65140	68880	73980	---	87890	96490	98190	118300	93130	68760	62460
30	61920	65220	68910	74210	---	87930	96540	99950	118300	92080	68110	62530
31	61960	---	69070	74370	---	88190	---	100700	---	91250	67620	---
MAX	62570	65220	69070	74370	81000	88190	96540	100700	118300	118300	90600	67130
MIN	61880	62030	65220	69180	74610	81250	88450	96490	101400	91250	67620	62460

WTR YR 1975 MAX 118300 MIN 61880

Change in contents, in acre-feet.
Elevation, in feet, at end of month.

06829500 Republican River at Trenton, Nebr.

LOCATION.--Lat 40°10'00", long 101°02'40", in SE1/4 sec.4, T.2 N., R.33 W., Hitchcock County, on left bank 300 ft (91 m) upstream from Elm Creek, 0.9 mi (1.4 km) downstream from centerline of spillway of Trenton Dam, and 1.5 mi (2.4 km) southwest of Trenton.

DRAINAGE AREA.--8,620 mi² (22,300 km²), approximately, of which about 3,940 mi² (10,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,671.06 ft (814.139 m) above mean sea level. See WSP 2119 for history of changes prior to Oct. 1, 1959.

AVERAGE DISCHARGE.--29 years, 98.7 ft³/s (2.795 m³/s), 71,510 acre-ft/yr (88.2 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 228 ft³/s (6.46 m³/s) July 22, gage height, 4.40 ft (1.341 m); maximum gage height, 4.51 ft (1.375 m) July 14,15; minimum daily discharge, 0.27 ft³/s (0.008 m³/s) Aug. 24.

Period of record: Maximum discharge, 16,800 ft³/s (476 m³/s) June 16, 1948, gage height, 5.64 ft (1.719 m), former site and datum; no flow at times in 1947-50, 1952-54.

Maximum flood known since about 1826 occurred May 31, 1935, discharge, about 200,000 ft³/s (5,660 m³/s). Discharge of 21,100 ft³/s (598 m³/s) was measured July 3, 1946, gage height, 6.0 ft (1.83 m), former site and datum.

REMARKS.--Records good. Natural flow affected by irrigation development above station, since July 6, 1950, by storage in Bonny Reservoir, since 1953 by storage in Swanson Lake (see sta 06829000), and since June 1957 by Meeker-Driftwood Canal which diverts directly from Swanson Lake for irrigation of about 16,400 acres (66.4 km²). Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.80	1.0	1.0	1.1	1.1	1.0	1.1	.92	1.0	1.5	100	24
2	.80	1.0	1.1	1.0	1.1	1.0	1.1	.96	1.1	1.4	99	.77
3	.80	1.3	1.1	1.2	1.0	1.0	1.0	.93	1.1	1.5	100	.85
4	.80	1.1	1.1	1.1	1.0	.95	.98	1.1	.99	1.3	101	1.1
5	.80	1.0	1.7	1.1	1.0	1.0	1.0	1.1	1.1	17	103	.90
6	.90	1.4	1.1	1.1	1.0	1.0	1.0	1.0	1.1	26	102	.76
7	.90	1.3	1.1	1.2	1.0	1.0	.94	.91	1.3	25	101	.66
8	.90	1.3	1.1	1.2	1.0	1.0	.94	.88	7.9	107	99	.68
9	.90	1.6	1.2	1.2	1.0	1.0	.94	1.3	1.5	160	95	.68
10	.90	1.4	1.1	1.5	1.0	1.0	.94	1.2	1.3	159	93	.71
11	1.0	1.2	1.2	.96	1.0	1.0	.99	1.0	1.3	157	91	.79
12	1.0	.94	1.2	1.0	1.0	1.0	.98	1.3	1.2	154	91	.79
13	1.0	.99	1.2	1.1	1.0	1.1	1.2	1.6	1.2	154	97	.70
14	1.0	.96	1.3	1.2	1.0	1.1	1.0	1.1	1.2	186	93	.70
15	1.0	1.0	1.4	1.2	1.0	1.1	1.1	1.3	1.2	209	80	.73
16	1.1	1.0	1.4	1.2	1.0	1.1	1.1	1.1	1.3	211	37	.71
17	1.1	1.0	1.3	1.1	1.0	1.0	1.1	1.1	1.7	210	.50	.95
18	1.1	1.0	1.3	1.2	1.0	1.0	1.4	1.0	3.0	212	.38	.79
19	1.1	1.1	1.3	1.1	1.1	1.0	1.1	1.0	3.0	214	.34	.78
20	1.1	1.1	1.3	1.1	1.0	1.1	1.1	1.0	3.3	219	.32	.70
21	1.1	1.0	1.3	1.1	1.0	1.1	1.1	.94	3.9	222	.31	.64
22	1.1	1.0	1.3	1.2	1.0	1.1	1.1	.99	1.8	226	.30	.63
23	1.0	1.0	1.1	1.2	1.0	1.1	1.1	.99	1.8	176	.29	.60
24	1.0	.98	1.1	1.2	1.0	1.1	1.1	.98	2.2	110	.27	.63
25	1.0	1.0	1.1	1.2	1.0	1.1	.99	.97	1.5	114	22	.65
26	1.0	1.0	1.1	1.2	1.0	1.2	1.1	.97	1.6	120	41	.67
27	1.0	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.5	122	42	.72
28	1.1	1.0	1.1	1.1	1.0	1.1	.95	1.3	1.5	126	43	.63
29	1.1	.96	1.2	1.1	---	1.1	.84	2.0	1.5	158	44	.71
30	1.0	.94	1.1	1.3	---	1.1	.83	1.2	1.5	199	45	.73
31	1.0	---	1.1	1.1	---	1.1	---	1.1	---	149	44	---
TOTAL	30.40	32.67	37.2	35.66	28.3	32.65	31.22	34.34	55.59	4187.7	1765.71	45.36
MEAN	.98	1.09	1.20	1.15	1.01	1.05	1.04	1.11	1.85	134	57.0	1.51
MAX	1.1	1.6	1.7	1.5	1.1	1.2	1.4	2.0	7.9	226	103	24
MIN	.80	.94	1.0	.96	1.0	.95	.83	.88	.99	1.3	.27	.60
AC-FT	60	65	74	71	56	65	62	68	110	8230	3500	90

CAL YR 1974 TOTAL 27804.37 MEAN 76.2 MAX 297 MIN .76 AC-FT 55150
WTR YR 1975 TOTAL 6276.80 MEAN 17.2 MAX 226 MIN .27 AC-FT 12450

06831500 Frenchman Creek near Imperial, Nebr.

LOCATION.--Lat 40°25'45", long 101°37'25", in SW1/4NW1/4 sec.3, T.5 N., R.38 W., Chase County, on right bank 0.2 mi (0.3 km) downstream from bridge on county highway, 5.8 mi (9.3 km) upstream from Enders Dam, and 6.1 mi (9.8 km) south of Imperial.

DRAINAGE AREA.--880 mi² (2,280 km²), approximately, of which about 720 mi² (1,860 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to current year. Published as Frenchman River near Imperial October 1965 to September 1972.

GAGE.--Water-stage recorder. Prior to Mar. 7, 1941, nonrecording gage at bridge 0.2 mi (0.3 km) upstream at different datum. Mar. 7, 1941, to Sept. 30, 1958, water-stage recorder at site 0.2 mi (0.3 km) downstream at datum 4.35 ft (1.326 m) lower.

AVERAGE DISCHARGE.--35 years, 69.0 ft³/s (1.954 m³/s), 49,990 acre-ft/yr (61.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 174 ft³/s (4.93 m³/s) May 31, gage height, 2.07 ft (0.631 m); maximum gage height, 2.82 ft (0.860 m) Jan. 12, backwater from ice; minimum daily discharge, 31 ft³/s (0.88 m³/s) Mar. 28.

Period of record: Maximum discharge, 2,340 ft³/s (66.3 m³/s) Mar. 22, 1960, gage height, 8.43 ft (2.569 m); minimum daily, 21 ft³/s (0.59 m³/s) July 2, 6, 1973.

Flood of June 7, 1940, reached a stage of 12.4 ft (3.78 m), from floodmarks, site and datum in use Mar. 7, 1941, to Sept. 30, 1958 (discharge not determined but believed greater than that of Mar. 22, 1960).

REMARKS.--Records good. Natural flow affected by irrigation development and regulation at low flow from powerplants above station.

REVISIONS (WATER YEARS).--WSP 976: 1942(M). WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	42	40	56	55	48	60	41	76	48	55	36
2	36	42	60	57	55	46	59	41	62	46	50	35
3	37	43	66	58	57	47	59	40	46	44	48	35
4	37	42	63	58	57	46	58	39	40	42	46	35
5	37	42	60	59	53	46	55	39	43	42	44	35
6	37	42	60	58	53	45	46	40	44	41	44	35
7	38	43	59	59	60	45	44	40	77	41	44	35
8	38	43	58	58	57	43	46	40	93	39	42	34
9	38	43	58	60	55	44	47	40	111	39	43	35
10	37	42	58	56	57	45	46	39	86	39	43	35
11	38	42	58	56	58	45	47	39	71	38	42	35
12	38	41	58	50	57	43	46	40	64	37	42	35
13	38	42	55	69	58	45	46	51	60	36	48	35
14	38	41	59	62	60	44	46	52	41	34	42	36
15	39	39	57	60	61	44	45	48	43	34	41	36
16	40	41	58	58	60	44	44	47	48	34	40	36
17	40	41	57	58	60	44	45	42	49	35	40	36
18	39	41	58	58	60	44	46	39	61	36	39	35
19	39	40	58	58	60	42	45	37	59	37	39	35
20	40	41	57	58	58	42	45	36	56	38	40	35
21	40	42	57	58	60	43	45	36	61	38	40	35
22	40	42	58	56	60	44	44	39	69	39	40	35
23	39	43	56	57	54	45	45	46	77	41	39	36
24	39	41	50	59	50	41	43	77	68	40	39	36
25	40	42	52	56	49	41	42	53	53	39	38	36
26	39	43	56	56	49	41	42	42	52	38	39	36
27	40	42	57	57	48	41	41	41	52	35	39	36
28	40	42	57	55	47	31	46	43	51	36	39	36
29	42	42	57	45	---	53	42	71	50	37	38	36
30	41	42	56	60	---	68	41	118	49	39	36	37
31	41	---	57	55	---	65	---	130	---	52	36	---
TOTAL	1201	1254	1770	1780	1568	1405	1406	1526	1812	1213	1295	1063
MEAN	38.7	41.8	57.1	57.4	56.0	45.3	46.9	49.2	60.4	39.1	41.8	35.4
MAX	42	43	66	69	61	68	60	130	111	52	55	37
MIN	36	39	40	45	47	31	41	36	40	34	36	34
AC-FT	2380	2490	3510	3530	3110	2790	2790	3030	3590	2410	2570	2110

CAL YR 1974 TOTAL 17882 MEAN 49.0 MAX 115 MIN 36 AC-FT 35470
WTR YR 1975 TOTAL 17293 MEAN 47.4 MAX 130 MIN 31 AC-FT 34300

PEAK DISCHARGE (BASE, 150 FT³/S).--May 31 (0030) 174 ft³/s (2.07 ft).

06832000 Enders Reservoir near Enders, Nebr.

LOCATION.--Lat 40°25'05", long 101°30'55", in NE1/4 sec.9, T.5 N., R.37 W., Chase County, near right bank in control house at outlet tube of Enders Dam on Frenchman Creek, 2.2 mi (3.5 km) southeast of Enders.

DRAINAGE AREA.--950 mi² (2,460 km²), approximately, of which about 790 mi² (2,050 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 3, 1960, mercury-column pressure gage at same datum.

EXTREMES.--Current year: Maximum contents, 40,090 acre-ft (49.4 hm³) June 28,29, elevation, 3,109.64 ft (947.818 m); minimum, 11,760 acre-ft (14.5 hm³) Aug. 28,29, elevation 3,084.99 ft (940.305 m).
Period of record: Maximum contents observed, 55,330 acre-ft (68.2 hm³) Mar. 25, 1960, elevation, 3,118.20 ft (950.427 m); minimum since operation of reservoir began, 8,940 acre-ft (11.0 hm³) Sept. 6, 1971, elevation, 3,080.79 ft (939.025 m).

REMARKS.--Reservoir is formed by earthfill dam; storage began Oct. 23, 1950. Capacity, 36,010 acre-ft (44.4 hm³) between elevations 3,080.0 ft (938.78 m), sill of outlet gates, and 3,112.3 ft (948.63 m), top of storage pool. Top of flood-control pool at elevation 3,127.0 ft (953.11 m), capacity, 74,520 acre-ft (91.9 hm³). Top of superstorage flood-control pool at elevation 3,129.5 ft (953.87 m), capacity, 80,730 acre-ft (99.5 hm³). Dead storage, 8,470 acre-ft (10.4 hm³). Figures given herein represent total contents. Water used for irrigation in Frenchman-Cambridge irrigation project.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS.--WSP 2119: Drainage area.

Capacity table (elevation, in feet, and
usable contents, in acre-feet)

3,080	8,470	3,100	26,540
3,085	11,770	3,110	40,660
3,090	15,830		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15530	18460	21000	24600	27790	30450	32620	34840	37430	39920	23950	12280
2	15630	18540	21140	24710	27890	30510	32720	34900	37590	39760	23550	12380
3	15730	18670	21280	24830	27980	30550	32850	34960	37660	39460	23180	12470
4	15810	18750	21430	24930	28060	30680	32940	35000	37690	39110	22770	12570
5	15910	18850	21570	25050	28130	30710	33040	35050	37760	38700	22390	12680
6	16000	18950	21710	25160	28240	30790	33080	35060	37820	38110	22000	12800
7	16110	19060	21800	25250	28350	30840	33210	35080	38000	37490	21550	12860
8	16190	19140	21910	25370	28430	30900	33340	35140	38290	36830	21060	13000
9	16300	19230	22020	25470	28530	30960	33400	35150	38420	36140	20590	13120
10	16410	19320	22140	25550	28660	31030	33450	35240	38560	35520	20070	13240
11	16490	19390	22240	25630	28750	31080	33520	35260	38660	34870	19590	13290
12	16570	19510	22390	25720	28860	31140	33580	35460	38800	34290	19050	13400
13	16690	19560	22460	25830	28940	31220	33690	35550	38880	33720	18570	13490
14	16740	19630	22600	25980	29040	31310	33760	35640	38900	33230	18100	13600
15	16840	19730	22720	26080	29170	31400	33850	35730	38960	32760	17670	13720
16	16940	19800	22830	26180	29280	31460	33920	35790	38990	32220	17250	13830
17	17070	19890	22970	26320	29380	31550	34030	35880	39130	31700	16860	13950
18	17130	20020	23080	26400	29490	31590	34090	35940	39250	31180	16430	14000
19	17230	20060	23190	26500	29580	31680	34160	35970	39350	30600	16000	14070
20	17330	20140	23300	26630	29710	31780	34190	35980	39490	30020	15530	14140
21	17410	20230	23410	26700	29780	31850	34280	36010	39570	29450	15070	14240
22	17500	20340	23520	26790	29860	31940	34350	36070	39660	29020	14560	14340
23	17590	20390	23630	26910	29940	31970	34430	36130	39820	28490	14070	14440
24	17700	20460	23700	27030	30040	32010	34470	36230	39890	27980	13570	14510
25	17790	20570	23810	27120	30120	32070	34530	36290	39960	27380	13060	14620
26	17870	20620	23930	27220	30190	32110	34620	36370	39960	26870	12590	14740
27	17970	20710	24040	27300	30270	32250	34680	36420	40030	26330	12140	14820
28	18080	20780	24170	27400	30360	35140	34720	36630	40090	25790	11760	14890
29	18180	20830	24260	27490	---	35180	34740	36890	40080	25240	11890	14990
30	18290	20940	24380	27600	---	32430	34800	37100	40030	24730	12030	15070
31	18400	---	24480	27670	---	32520	---	37330	---	24350	12170	---
MAX	18400	20940	24480	27670	30360	35180	34800	37330	40090	39920	23950	15070
MIN	15530	18460	21000	24600	27790	30450	32620	34840	37430	24350	11760	12280

WTR YR 1975 MAX 40090 MIN 11760

Change in contents, in acre-feet, at end of month.
Elevation, in feet, at end of month.

06832500 Frenchman Creek near Enders, Nebr.

LOCATION.--Lat 40°25'05", long 101°30'35", in NW1/4NW1/4 sec.10, T.5 N., R.37 W., Chase County, on left bank 0.2 mi (0.3 km) downstream from Enders Dam and 2.5 mi (4.0 km) southeast of Enders.

DRAINAGE AREA.--950 mi^2 (2,460 km^2), approximately, of which about 790 mi^2 (2,050 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--February 1946 to current year. Published as Frenchman River near Enders October 1965 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 3,026.22 ft (922.392 m) above mean sea level (Bureau of Reclamation bench mark). Prior to June 14, 1948, at site 800 ft (240 m) upstream at datum 6.03 ft (1.838 m) higher. June 14, 1948, to Sept. 14, 1972, at present site at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--29 years, 68.0 ft^3/s (1.926 m^3/s), 49,270 acre-ft/yr (60.7 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 360 ft^3/s (10.2 m^3/s) July 22, gage height, 8.67 ft (2.643 m); maximum gage height, 8.71 ft (2.655 m) July 10; no flow for many days.

Period of record: Maximum discharge, 763 ft^3/s (21.6 m^3/s) Aug. 20, 1953, gage height, 11.31 ft (3.447 m), present datum; maximum gage height, 11.65 ft (3.551 m), present datum, July 18, 1958, backwater from downstream tributary; no flow for many days in 1972-75.

REMARKS.--Records good except those below 5.0 ft^3/s (0.14 m^3/s), which are poor. Flow regulated by Enders Reservoir. (See preceding page.)

REVISIONS (WATER YEARS).--WSP 2119: 1956, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	1.5	1.1	.68	1.3	2.0	57	259	0
2				0	1.5	1.2	.74	1.3	2.0	90	258	0
3				0	1.5	1.5	.77	1.1	2.0	145	248	0
4				0	1.6	1.5	.77	1.1	2.0	182	248	0
5				0	1.6	1.4	.68	.89	2.0	226	253	0
6				0	1.5	1.4	.61	.77	2.0	286	255	0
7				0	1.5	1.5	.62	.77	2.0	313	283	0
8				0	1.5	1.6	2.3	.77	2.9	316	288	0
9				0	1.3	1.7	1.3	.77	2.5	337	303	0
10				0	1.2	1.8	.72	.77	2.5	349	311	0
11				0	1.2	1.6	.68	.65	2.7	330	313	0
12				0	1.6	1.5	.77	.91	2.7	320	322	0
13				0	1.3	1.4	.72	7.5	2.7	309	320	0
14				0	1.3	1.3	.77	2.4	2.5	286	305	0
15				0	1.3	1.3	.77	2.3	2.5	277	296	0
16				0	1.2	1.3	.88	2.0	2.5	294	275	0
17				0	1.2	1.1	.88	1.8	2.9	307	267	0
18				0	1.1	1.1	2.3	1.8	2.8	328	267	0
19				0	1.1	.97	1.5	1.8	2.5	335	290	0
20				.20	1.0	.88	1.4	1.8	3.4	334	303	0
21				.35	1.0	.89	1.3	1.8	5.4	343	303	0
22				.54	1.1	1.0	.92	1.8	2.9	341	315	0
23				.59	1.1	1.1	1.0	2.0	2.7	323	321	0
24				.68	1.1	1.1	.91	2.0	2.6	323	320	0
25				.77	1.1	1.1	.94	2.0	2.3	329	306	0
26				.88	1.1	.93	.85	2.0	2.4	308	312	0
27				.94	1.1	.95	.86	2.0	2.3	297	304	0
28				1.4	1.1	.98	1.4	2.1	2.1	298	259	0
29				1.7	---	.88	1.3	2.9	15	302	3.4	0
30				1.6	---	.78	1.3	2.3	38	298	0	.04
31		---		1.5	---	.75	---	2.0	---	271	0	---
TOTAL	0	0	0	11.15	35.7	37.61	30.64	55.40	124.8	8854	8107.4	.04
MEAN	0	0	0	.36	1.28	1.21	1.02	1.79	4.16	286	262	.001
MAX	0	0	0	1.7	1.6	1.8	2.3	7.5	38	349	322	.04
MIN	0	0	0	0	1.0	.75	.61	.65	2.0	57	0	0
AC-FT	0	0	0	22	71	75	61	110	248	17560	16080	.08

CAL YR 1974 TOTAL 17337.36 MEAN 47.5 MAX 393 MIN 0 AC-FT 34390
WTR YR 1975 TOTAL 17256.74 MEAN 47.3 MAX 349 MIN 0 AC-FT 34230

06834000 Frenchman Creek at Palisade, Nebr.

LOCATION.--Lat 40°20'50", long 101°07'40", in SE1/4SW1/4 sec.36, T.5 N., R.34 W., Hayes County, on right bank at downstream side of bridge on U.S. Highway 6, 0.4 mi (0.6 km) upstream from Burlington Northern Inc. bridge, 1 mi (2 km) west of Palisade, and 2 mi (3 km) upstream from Stinking Water Creek.

DRAINAGE AREA.--1,110 mi^2 (2,870 km^2), approximately, of which about 950 mi^2 (2,460 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1894 to October 1896, June 1950 to current year. Published as Frenchman River at Palisade, October 1965 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 2,747.49 ft (837.435 m) above mean sea level. October 1894 to October 1896, nonrecording gage at railroad bridge 0.4 mi (0.6 km) downstream at different datum.

AVERAGE DISCHARGE.--27 years, 90.9 ft^3/s (2.574 m^3/s), 65,860 acre-ft/yr (81.2 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,190 ft^3/s (33.7 m^3/s) July 31, gage height, 7.34 ft (2.237 m); minimum daily, 14 ft^3/s (0.40 m^3/s) Nov. 30.

Period of record: Maximum discharge, 5,560 ft^3/s (157 m^3/s) June 17, 1956, gage height, 8.79 ft (2.679 m); minimum daily, 13 ft^3/s (0.37 m^3/s) Mar. 12, 1951.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station and, since Oct. 23, 1950, by storage in Enders Reservoir. (See sta 06832000.)

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	26	15	29	28	32	33	26	34	35	272	65
2	20	26	17	29	28	32	35	26	34	48	248	56
3	22	28	21	26	31	31	35	26	33	67	248	50
4	28	29	24	25	30	32	34	25	32	113	241	48
5	27	27	28	24	29	32	34	25	31	155	244	45
6	27	27	31	26	28	32	33	24	30	200	246	42
7	27	26	28	28	28	31	35	23	31	261	248	40
8	28	27	25	29	29	31	36	21	560	291	264	37
9	25	27	24	30	30	31	35	24	126	298	267	36
10	23	26	24	27	31	32	35	23	43	331	275	35
11	20	26	25	25	34	32	35	23	34	329	281	37
12	19	26	25	25	36	30	34	25	34	318	282	37
13	20	27	26	26	33	31	34	32	35	310	293	35
14	21	27	27	28	30	33	35	32	35	300	299	33
15	21	28	28	30	30	32	35	30	35	278	295	33
16	21	28	33	33	31	31	33	26	36	261	289	33
17	21	28	34	35	33	30	33	26	39	270	274	32
18	21	27	36	37	35	31	34	25	58	272	264	29
19	21	27	34	38	38	30	34	26	47	281	260	28
20	21	26	33	40	40	30	32	25	42	281	274	27
21	21	26	32	36	38	31	33	25	46	285	286	27
22	21	27	32	36	36	30	31	24	44	291	289	27
23	22	27	31	40	35	31	30	25	39	299	300	27
24	22	25	25	36	37	32	27	24	38	288	306	27
25	22	25	22	33	35	31	27	23	35	288	304	26
26	22	26	20	32	33	31	27	24	32	293	296	26
27	23	25	21	32	33	33	27	24	31	280	298	25
28	23	25	22	32	32	28	30	26	30	269	291	26
29	25	20	24	31	---	30	28	35	30	269	260	26
30	26	14	26	29	---	32	26	43	28	273	111	26
31	26	---	29	28	---	34	---	36	---	626	79	---
TOTAL	706	779	822	955	911	969	970	822	1702	8160	8184	1041
MEAN	22.8	26.0	26.5	30.8	32.5	31.3	32.3	26.5	56.7	263	264	34.7
MAX	28	29	36	40	40	34	36	43	560	626	306	65
MIN	19	14	15	24	28	28	26	21	28	35	79	25
AC-FT	1400	1550	1630	1890	1810	1920	1920	1630	3380	16190	16230	2060

CAL YR 1974 TOTAL 26656 MEAN 73.0 MAX 398 MIN 14 AC-FT 52870
WTR YR 1975 TOTAL 26021 MEAN 71.3 MAX 626 MIN 14 AC-FT 51610

06835000 Stinking Water Creek near Palisade, Nebr.

LOCATION.--Lat 40°22'10", long 101°06'50", at southwest corner of NW1/4 sec.30, T.5 N., R.33 W., Hayes County, on right bank 25 ft (8 m) downstream from county bridge, 1.2 mi (1.9 km) upstream from mouth, and 1.8 mi (2.9 km) northwest of Palisade.

DRAINAGE AREA.--1,500 mi^2 (3,890 km^2), approximately, of which about 380 mi^2 (980 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,740.99 ft (835.454 m) above mean sea level.

AVERAGE DISCHARGE.--26 years, 43.2 ft^3/s (1.223 m^3/s), 31,300 acre-ft/yr (38.6 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 270 ft^3/s (7.65 m^3/s) June 8, gage height, 5.83 ft (1.777 m); minimum daily, 17 ft^3/s (0.48 m^3/s) July 29,30, Aug. 26-30, Sept. 1-4.
Period of record: Maximum discharge, 3,030 ft^3/s (85.8 m^3/s) June 17, 1956, gage height, 11.30 ft (3.444 m), from rating curve extended above 1,200 ft^3/s (34.0 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 6.0 ft^3/s (0.17 m^3/s) Aug. 4, 1955.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station.

REVISIONS (WATER YEARS).--WSP 1730: 1952(M). WSP 1919: 1951(P), 1955. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	36	28	34	32	52	55	40	62	31	34	17
2	23	35	29	32	32	53	52	39	51	30	28	17
3	23	35	30	31	34	54	47	38	44	29	27	17
4	23	35	31	30	34	52	48	38	41	28	26	17
5	23	35	32	30	29	50	48	37	38	28	25	18
6	24	35	35	32	25	52	47	36	37	27	24	19
7	24	34	33	35	26	54	48	36	37	28	23	19
8	26	34	30	34	29	49	48	35	185	28	22	18
9	26	34	30	34	32	48	49	34	161	29	22	18
10	25	34	31	33	36	46	49	34	137	35	21	19
11	26	34	31	30	40	45	48	33	80	35	21	20
12	28	34	32	30	43	42	46	34	64	33	21	20
13	28	34	32	33	41	40	46	44	51	31	22	20
14	28	36	30	39	36	47	47	64	45	29	22	21
15	29	35	28	36	31	47	48	65	43	27	24	22
16	29	35	34	38	31	48	47	52	39	25	23	22
17	28	36	40	39	32	48	45	44	40	24	21	22
18	29	36	41	43	35	48	46	40	50	24	21	21
19	28	36	41	45	40	47	48	38	57	23	21	21
20	29	36	39	48	45	47	49	36	53	23	20	21
21	29	35	39	44	46	47	46	34	53	22	19	21
22	29	35	40	44	47	47	44	34	65	22	19	22
23	29	36	40	40	46	52	42	35	67	21	19	22
24	30	36	35	42	44	50	41	37	64	21	19	22
25	32	36	25	45	47	46	41	37	58	21	18	22
26	31	36	26	45	50	45	39	36	46	20	17	23
27	31	36	29	45	50	46	37	35	39	19	17	23
28	32	38	32	45	51	43	38	35	37	18	17	23
29	32	33	36	40	---	45	40	45	35	17	17	23
30	37	28	36	35	---	49	40	80	33	17	17	23
31	36	---	35	33	---	54	---	77	---	177	18	---
TOTAL	869	1048	1030	1164	1064	1493	1369	1302	1812	942	665	613
MEAN	28.0	34.9	33.2	37.5	38.0	48.2	45.6	42.0	60.4	30.4	21.5	20.4
MAX	37	38	41	48	51	54	55	80	185	177	34	23
MIN	22	28	25	30	25	40	37	33	33	17	17	17
AC-FT	1720	2080	2040	2310	2110	2960	2720	2580	3590	1870	1320	1220

CAL YR 1974 TOTAL 13996 MEAN 38.3 MAX 191 MIN 15 AC-FT 27760
WTR YR 1975 TOTAL 13371 MEAN 36.6 MAX 185 MIN 17 AC-FT 26520

PEAK DISCHARGE (BASE, 150 FT^3/S).--June 8 (1830) 270 ft^3/s (5.83 ft); July 31 (1630) 264 ft^3/s (5.78 ft).

06835500 Frenchman Creek at Culbertson, Nebr.

LOCATION.--Lat 40°14'05", long 100°52'40", in SW1/4SE1/4 sec.12, T.3 N., R.32 W., Hitchcock County, on right bank 19 ft (6 m) upstream from bridge on U.S. Highways 6 and 34, 2 mi (3 km) west of Culbertson, and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--2,770 mi^2 (7,170 km^2), approximately, of which about 1,470 mi^2 (3,810 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--June 1913 to September 1915 (gage heights and discharge measurements only), October 1930 to current year. Published as Frenchman River at Culbertson October 1965 to September 1972. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,583.44 ft (787.433 m) above mean sea level. See WSP 1919 for history of changes prior to Nov. 2, 1950.

AVERAGE DISCHARGE.--45 years, 111 ft^3/s (3.144 m^3/s), 80,420 acre-ft/yr (99.2 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 946 ft^3/s (26.8 m^3/s) June 8, gage height, 6.32 ft (1.926 m); minimum daily, 11 ft^3/s (0.31 m^3/s) Aug. 24-30.

Period of record: Maximum discharge, 15,000 ft^3/s (425 m^3/s), estimated, May 31, 1935, gage height, 14.8 ft (4.51 m), from floodmarks, present site and datum; minimum daily, 7.0 ft^3/s (0.20 m^3/s) Aug. 13, 14, 26, 1936.

REMARKS.--Records good. Natural flow affected by irrigation development above station and, since Oct. 23, 1950, by storage in Enders Reservoir. (See sta 06832000.) Principal diversion is by Culbertson Canal, 20,800 acres (84.2 km^2). Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1390: 1931, 1933, 1934(M), 1938(M). WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	76	61	76	85	103	93	27	53	33	232	76
2	57	80	66	78	87	105	96	27	41	29	58	59
3	60	80	77	78	87	103	96	25	31	24	52	48
4	63	79	85	78	87	104	70	26	29	24	44	56
5	70	70	88	81	76	105	56	26	28	27	41	55
6	64	71	90	82	60	103	85	25	27	26	25	52
7	63	73	90	89	62	103	74	25	27	39	35	50
8	59	75	84	89	75	105	48	24	697	47	24	48
9	64	80	79	91	70	100	43	24	535	37	19	46
10	64	77	85	85	73	98	40	25	224	36	17	46
11	64	76	85	60	85	99	39	24	137	42	15	48
12	64	71	86	55	89	97	35	25	92	33	15	50
13	68	77	86	50	94	95	33	32	73	32	15	50
14	69	82	84	55	93	97	33	34	60	30	15	49
15	69	79	77	65	93	100	33	50	56	27	15	50
16	64	79	68	80	84	100	34	47	50	18	16	46
17	67	77	82	90	86	101	33	34	48	15	16	61
18	65	79	87	94	85	100	36	29	169	14	15	60
19	73	85	89	97	89	99	32	27	80	14	15	59
20	71	81	86	97	96	101	31	27	73	15	14	60
21	72	83	88	100	101	102	30	25	220	17	13	58
22	67	82	87	91	98	101	30	25	117	14	12	60
23	68	80	88	89	91	100	29	25	79	15	12	54
24	68	81	86	91	94	95	29	23	132	15	11	57
25	73	82	65	93	98	95	29	20	74	22	11	63
26	79	83	59	93	101	93	28	19	62	17	11	61
27	75	84	75	92	102	96	29	21	51	19	11	60
28	73	83	79	90	101	90	28	26	45	15	11	60
29	72	79	76	84	---	89	27	32	41	15	11	60
30	69	68	78	81	---	92	26	38	38	14	11	63
31	77	---	79	85	---	102	---	64	---	411	91	---
TOTAL	2086	2352	2495	2559	2442	3073	1325	901	3389	1136	903	1665
MEAN	67.3	78.4	80.5	82.5	87.2	99.1	44.2	29.1	113	36.6	29.1	55.5
MAX	79	85	90	100	102	105	96	64	697	411	232	76
MIN	55	68	59	50	60	89	26	19	27	14	11	46
AC-FT	4140	4670	4950	5080	4840	6100	2630	1790	6720	2250	1790	3300

CAL YR 1974 TOTAL 25931.0 MEAN 71.0 MAX 447 MIN 9.0 AC-FT 51430
WTR YR 1975 TOTAL 24326.0 MEAN 66.6 MAX 697 MIN 11 AC-FT 48250

06836000 Blackwood Creek near Culbertson, Nebr.

LOCATION.--Lat 40°14'10", long 100°48'39", in SE1/4SW1/4 sec.10, T.3 N., R.31 W., Hitchcock County, on right bank 500 ft (152 m) upstream from bridge on U.S. Highways 6 and 34, 0.2 mi (0.3 km) north of Burlington Northern Inc. bridge, 1 mi (2 km) east of Culbertson, and 1.8 mi (2.9 km) upstream from mouth.

DRAINAGE AREA.--320 mi² (830 km²), approximately, of which about 270 mi² (700 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--May 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,555.25 ft (778.840 m) above mean sea level. Prior to Oct. 1, 1967, at site 0.2 mi (0.3 km) downstream at present datum and Oct. 1, 1967, to Aug. 28, 1968, at site 0.8 mi (1.3 km) downstream at datum 8.96 ft (2.731 m) lower.

AVERAGE DISCHARGE.--29 years, 6.70 ft³/s (0.190 m³/s), 4,850 acre-ft/yr (5.98 hm³/yr); median of yearly mean discharges, 5.9 ft³/s (0.167 m³/s), 4,300 acre-ft/yr (5.30 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 877 ft³/s (24.8 m³/s) June 21, gage height, 7.22 ft (2.201 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Oct. 1, June 4.

Period of record: Maximum discharge, 1,650 ft³/s (46.7 m³/s) June 17, 1955, gage height, 14.64 ft (4.462 m), site then in use; no flow Jan. 4-6, 1950.

Flood of May 31, 1935, reached a stage of 24.0 ft (7.32 m), at site 0.2 mile downstream, at present datum, from floodmarks, discharge, about 5,300 ft³/s (150 m³/s), from information by Nebraska Department of Roads.

REMARKS.--Records fair. Natural flow affected by irrigation development above station, return flow from irrigated areas, and waste from Culbertson Canal.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.6	3.2	3.1	3.1	3.3	3.3	16	3.0	4.9	151	19
2	2.0	2.4	3.3	3.2	3.3	3.3	3.1	14	2.5	2.1	17	5.4
3	2.3	2.9	3.3	3.3	3.2	2.9	3.3	11	2.1	2.1	14	3.6
4	2.3	2.4	3.4	3.3	3.2	2.9	2.9	9.9	1.8	3.0	10	3.6
5	3.5	2.1	3.5	3.3	2.9	3.1	2.9	6.9	2.1	3.5	11	3.9
6	3.4	2.0	3.5	3.1	2.8	2.9	2.4	6.1	2.1	11	8.0	3.5
7	2.9	2.0	3.5	3.1	2.8	2.9	2.6	4.2	2.3	11	7.2	3.5
8	3.3	2.0	3.7	3.1	2.9	3.1	2.7	3.5	262	9.7	4.7	3.3
9	3.2	2.1	3.8	3.1	2.4	2.8	2.4	3.0	274	7.3	5.5	3.3
10	3.0	2.1	3.5	3.2	3.0	2.9	8.0	2.7	65	8.6	5.9	3.1
11	3.1	2.1	3.9	3.3	2.9	2.9	16	2.9	15	7.8	5.4	3.4
12	3.2	2.2	3.8	2.7	2.9	2.9	11	6.9	6.3	8.3	4.0	2.7
13	3.5	2.8	3.8	2.9	2.9	3.0	10	6.7	4.5	4.9	4.9	2.5
14	3.1	3.4	3.9	3.1	2.9	2.8	9.8	10	4.2	5.2	4.9	2.5
15	3.1	3.5	3.7	3.1	3.2	2.6	11	8.1	5.1	4.3	4.8	2.5
16	3.2	3.5	3.7	3.1	3.5	2.6	16	5.3	3.9	3.9	8.0	2.9
17	3.5	3.3	3.8	3.1	2.9	2.8	18	4.4	6.0	4.7	9.6	3.9
18	3.3	3.4	3.8	3.4	2.8	2.8	13	4.3	84	8.7	8.4	2.6
19	3.3	3.4	3.7	3.3	2.9	2.8	14	4.5	31	9.4	11	2.3
20	3.1	3.3	3.5	3.3	3.1	2.8	12	3.5	11	8.0	12	2.3
21	3.2	3.5	3.5	3.5	3.1	3.1	11	3.3	318	7.8	12	2.3
22	3.3	3.5	3.5	3.3	3.1	3.1	13	3.3	211	7.7	11	2.2
23	3.0	3.5	3.5	3.3	3.5	2.9	12	3.3	27	7.0	9.6	2.1
24	2.4	3.4	3.4	3.5	3.8	2.7	13	3.2	58	5.5	8.9	2.3
25	2.4	3.3	3.1	3.4	3.7	2.8	8.3	3.2	36	5.9	8.1	2.3
26	2.3	3.3	3.1	3.3	3.3	3.1	6.8	3.2	13	5.4	9.7	2.7
27	2.3	3.5	2.9	3.2	3.5	3.8	7.4	2.9	6.9	4.6	11	2.9
28	2.3	3.5	3.1	3.2	3.5	3.6	7.7	3.0	5.2	4.7	8.9	2.8
29	2.4	3.5	3.1	3.2	---	3.5	4.4	3.9	2.2	4.4	6.4	2.2
30	2.4	3.5	3.1	3.5	---	3.5	7.7	4.4	6.0	3.7	13	2.2
31	2.4	---	3.1	3.2	---	3.3	---	5.2	---	13	16	---
TOTAL	88.5	88.0	107.7	99.7	87.1	93.5	255.7	172.8	1471.2	198.1	421.9	103.8
MEAN	2.85	2.93	3.47	3.22	3.11	3.02	8.52	5.57	49.0	6.39	13.6	3.46
MAX	3.5	3.5	3.9	3.5	3.8	3.8	18	16	318	13	151	19
MIN	1.8	2.0	2.9	2.7	2.4	2.6	2.4	2.7	1.8	2.1	4.0	2.1
AC-FT	176	175	214	198	173	185	507	343	2920	393	837	206

CAL YR 1974 TOTAL 2801.4 MEAN 7.68 MAX 632 MIN 1.6 AC-FT 5560
WTR YR 1975 TOTAL 3188.0 MEAN 8.73 MAX 318 MIN 1.8 AC-FT 6320

PEAK DISCHARGE (BASE, 150 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 8	0830	7.18	863	6-24	1730	3.67	151
6-18	0400	3.88	172	8- 1	1430	4.28	216
6-21	1900	7.22	877				

06836500 Driftwood Creek near McCook, Nebr.

LOCATION.--Lat 40°08'50", long 100°39'55", in SW1/4SW1/4 sec.12, T.2 N., R.30 W., Red Willow County, on right bank 50 ft (15 m) downstream from privately owned bridge, 600 ft (183 m) downstream from siphon and wasteway on Meeker-Driftwood Canal, 4.5 mi (7.2 km) southwest of McCook, and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--360 mi² (930 km²), approximately, of which about 350 mi² (910 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--March 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,493.78 ft (760.104 m) above mean sea level. Prior to Oct. 12, 1962, at site 0.2 mi (0.3 km) downstream in old channel at present datum, and Oct. 12, 1962, to Apr. 11, 1963, at site 0.5 mi (0.8 km) downstream at datum 3.75 ft (1.143 m) lower.

AVERAGE DISCHARGE.--29 years, 10.8 ft³/s (0.306 m³/s), 7,820 acre-ft/yr (9.64 hm³/yr); median of yearly mean discharges, 8.2 ft³/s (0.232 m³/s), 5,900 acre-ft/yr (7.27 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 193 ft³/s (5.47 m³/s) June 25, gage height, 11.92 ft (3.633 m); minimum daily, 3.9 ft³/s (0.11 m³/s) Oct. 15, May 6,7.

Period of record: Maximum discharge, 4,740 ft³/s (134 m³/s) Aug. 7, 1950, gage height, 25.43 ft (7.751 m), at site then in use, from floodmark, from rating curve extended above 3,000 ft³/s (85.0 m³/s); no flow at times in 1946-50, 1952-56.

REMARKS.--Records fair. Natural flow affected by waste from Meeker-Driftwood Canal and by irrigation development above station.

REVISIONS (WATER YEARS).--WSP 1210: 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	8.9	5.9	6.7	6.3	7.1	5.2	4.6	5.6	6.7	18	12
2	8.0	8.3	5.9	6.8	6.7	7.2	5.2	4.6	5.3	6.7	17	11
3	7.4	6.7	5.9	6.3	6.7	6.3	5.2	4.9	5.2	5.9	12	8.6
4	7.2	7.4	5.9	6.9	6.7	6.3	5.2	4.9	4.9	7.8	14	10
5	7.3	6.7	5.9	6.9	6.4	6.3	5.2	4.2	4.9	11	13	11
6	6.7	6.3	6.3	7.1	6.3	6.7	6.1	3.9	4.8	10	14	8.8
7	6.7	5.9	6.5	7.1	6.7	7.4	6.0	3.9	6.7	12	16	8.7
8	5.5	5.5	6.6	6.9	6.6	6.1	7.8	4.2	106	11	19	10
9	5.2	7.4	6.3	6.7	6.1	6.1	6.9	4.6	96	10	22	11
10	4.5	6.3	6.3	6.7	6.5	6.7	6.8	4.6	59	13	22	11
11	4.5	6.1	6.3	5.7	7.1	6.8	5.6	4.9	54	16	23	9.6
12	4.3	5.9	6.3	5.3	7.1	7.1	6.1	5.0	29	18	21	8.8
13	7.1	6.1	6.7	5.4	7.1	6.7	5.9	8.5	9.0	20	22	8.6
14	5.4	6.0	6.7	5.7	6.7	6.7	6.5	21	8.6	20	28	8.3
15	3.9	6.3	6.7	6.3	6.7	6.5	6.7	12	6.7	19	25	8.2
16	4.8	6.3	6.6	6.1	6.3	6.2	6.9	5.9	6.3	14	17	7.7
17	6.0	7.3	6.7	5.9	6.3	5.9	6.7	5.2	9.0	14	16	10
18	5.5	6.8	7.2	6.0	6.3	5.5	6.8	4.9	37	17	15	9.6
19	5.2	6.7	7.8	6.3	6.0	5.4	7.1	5.2	30	16	16	8.0
20	6.3	6.7	7.4	6.1	6.3	5.2	6.4	4.9	23	15	20	8.9
21	6.9	6.7	7.0	5.9	5.9	4.9	6.3	5.2	55	14	18	6.8
22	7.0	6.7	6.9	5.9	5.9	4.7	6.1	5.1	48	14	17	6.6
23	6.4	6.7	6.1	5.9	5.5	4.5	7.5	5.2	66	15	15	6.3
24	7.6	6.7	6.2	5.7	5.6	5.6	6.3	5.2	50	15	15	11
25	6.3	6.3	6.2	5.9	5.5	4.2	6.1	5.2	90	16	15	8.3
26	6.3	6.5	6.3	5.5	5.9	4.8	5.7	4.5	48	16	14	8.1
27	6.3	6.3	6.3	5.4	6.1	5.7	5.4	4.6	16	15	15	5.9
28	6.3	6.3	6.7	5.5	7.1	5.5	4.7	4.7	10	17	15	5.5
29	6.3	6.2	6.7	5.9	---	4.6	4.6	7.3	8.5	16	17	5.9
30	6.5	5.9	6.7	5.9	---	4.6	4.6	8.2	8.2	17	13	5.9
31	7.1	---	7.1	6.3	---	5.2	---	6.2	---	20	13	---
TOTAL	194.5	197.9	202.1	190.7	178.4	182.5	181.6	183.3	910.7	438.1	537	260.1
MEAN	6.27	6.60	6.52	6.15	6.37	5.89	6.05	5.91	30.4	14.1	17.3	8.67
MAX	10	8.9	7.8	7.1	7.1	7.4	7.8	21	106	20	28	12
MIN	3.9	5.5	5.9	5.3	5.5	4.2	4.6	3.9	4.8	5.9	12	5.5
AC-FT	386	393	401	378	354	362	360	364	1810	869	1070	516

CAL YR 1974 TOTAL 5245.1 MEAN 14.4 MAX 567 MIN 2.7 AC-FT 10400
WTR YR 1975 TOTAL 3656.9 MEAN 10.0 MAX 106 MIN 3.9 AC-FT 7250

PEAK DISCHARGE (BASE, 300 FT³/S).--No peak above base.

06837000 Republican River at McCook, Nebr.

LOCATION.--Lat 40°11'15", long 100°37'05", in SW1/4NW1/4 sec.32, T.3 N., R.29 W., Red Willow County, on left bank 25 ft (8 m) downstream from bridge on U.S. Highway 83 at south edge of McCook, 2.5 mi (4.0 km) downstream from Driftwood Creek, and 10.5 mi (16.9 km) upstream from Red Willow Creek.

DRAINAGE AREA.--12,390 mi² (31,900 km²), approximately, of which about 6,260 mi² (16,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1930 to June 1932, October 1954 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,456.37 ft (748.702 m) above mean sea level. October 1930 to June 1932 nonrecording gage on former highway bridge 325 ft (99.1 m) upstream at different datum and October 1954 to Mar. 13, 1959, on highway bridge 25 ft (7.6 m) upstream at present datum.

AVERAGE DISCHARGE.--22 years, 206 ft³/s (5.834 m³/s), 149,200 acre-ft/yr (0.184 km³/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) June 8, gage height, 6.43 ft (1.960 m); minimum daily, 45 ft³/s (1.27 m³/s) May 27.

Period of record: Maximum discharge, 5,890 ft³/s (167 m³/s) Mar. 21, 1960, gage height, 9.14 ft (2.786 m); no flow for several days in July and August 1931.

Maximum flood since at least 1826 occurred May 31, 1935, discharge, about 245,000 ft³/s (6,940 m³/s).

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station and by storage in Bonny Reservoir, Enders Reservoir (see sta 06832000), and Swanson Lake (see sta 06829000). Records of water temperatures for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	116	92	90	113	129	150	68	79	74	606	173
2	83	115	90	90	121	129	152	70	74	66	301	112
3	84	124	94	90	120	126	142	67	66	65	209	82
4	78	124	100	94	120	124	130	68	56	63	200	85
5	83	112	105	98	111	126	108	69	54	63	190	92
6	90	112	115	100	105	126	115	66	53	63	184	79
7	89	114	122	110	115	123	135	64	53	69	185	74
8	88	117	114	110	115	121	120	63	752	83	175	78
9	89	122	113	105	110	125	110	61	1070	174	175	79
10	92	120	114	100	115	125	91	58	432	246	170	74
11	89	118	117	85	115	124	97	61	259	243	165	77
12	87	111	119	75	110	119	94	60	178	248	163	76
13	88	110	116	80	105	120	93	86	145	234	197	75
14	88	113	120	95	100	125	96	78	122	233	253	74
15	90	115	107	95	95	129	92	93	108	269	219	75
16	88	113	112	98	95	132	89	82	103	268	178	70
17	87	114	116	115	90	132	85	71	98	255	128	93
18	90	116	129	130	95	129	93	68	316	284	88	72
19	98	118	116	140	100	129	90	61	264	265	97	70
20	99	119	114	145	100	128	81	60	150	264	87	69
21	98	121	113	140	105	131	78	56	520	278	78	72
22	96	124	113	138	110	133	77	53	742	278	71	71
23	95	125	113	130	120	129	80	52	289	288	68	71
24	96	129	106	130	132	125	84	51	231	234	60	69
25	103	132	95	132	140	120	79	48	235	193	52	77
26	105	129	80	128	140	130	73	46	209	190	81	77
27	105	127	80	122	135	142	69	45	117	184	125	70
28	104	128	82	117	135	112	65	51	91	175	133	67
29	108	119	82	109	---	110	63	69	84	167	141	68
30	112	117	82	112	---	120	63	66	76	199	138	67
31	113	---	85	109	---	138	---	68	---	360	124	---
TOTAL	2900	3574	3256	3412	3167	3911	2894	1979	7026	6075	5041	2388
MEAN	93.5	119	105	110	113	126	96.5	63.8	234	196	163	79.6
MAX	113	132	129	145	140	142	152	93	1070	360	606	173
MIN	78	110	80	75	90	110	63	45	53	63	52	67
AC-FT	5750	7090	6460	6770	6280	7760	5740	3930	13940	12050	10000	4740

CAL YR 1974 TOTAL 70047 MEAN 192 MAX 2020 MIN 55 AC-FT 138900
WTR YR 1975 TOTAL 45623 MEAN 125 MAX 1070 MIN 45 AC-FT 90490

06837300 Red Willow Creek above Hugh Butler Lake, Nebr.

LOCATION.--Lat 40°24'05", long 100°46'45", in NE1/4SE1/4 sec.13, T.5 N., R.31 W., Hayes County, on right bank 1,000 ft (305 m) above county road bridge, 7.2 mi (11.6 km) upstream from Red Willow Dam, and 12 mi (19 km) northeast of Culbertson.

DRAINAGE AREA.--600 mi² (1,550 km²), approximately, of which about 200 mi² (520 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Artificial control since March 1961. Datum of gage is 2,594.80 ft (790.895 m) above mean sea level. Prior to Mar. 23, 1961, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--15 years, 29.6 ft³/s (0.838 m³/s), 21,450 acre-ft/yr (26.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s) July 31, gage height, 6.25 ft (1.905 m); minimum daily, 10 ft³/s (0.28 m³/s) July 22,29.

Period of record: Maximum discharge, 4,020 ft³/s (114 m³/s) June 16, 1972, gage height, 13.27 ft (4.045 m), from rating curve extended above 1,000 ft³/s (28.3 m³/s) on basis of slope-conveyance study; minimum daily, 4.0 ft³/s (0.11 m³/s) July 4, 5, 1963.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by pump irrigation development above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	25	16	17	26	40	35	27	35	21	158	12
2	15	25	18	17	27	41	31	27	33	19	50	12
3	15	26	20	18	27	42	34	26	30	18	39	12
4	16	26	22	20	26	42	32	25	28	16	29	12
5	16	26	22	20	16	41	32	24	25	14	23	13
6	16	28	24	26	16	40	35	23	22	14	21	13
7	16	27	21	26	24	41	36	23	22	14	19	13
8	17	26	18	30	23	41	36	23	213	14	18	13
9	17	25	20	25	22	40	40	22	142	104	17	13
10	17	25	25	20	23	38	45	22	138	29	17	13
11	18	25	23	15	21	37	45	21	106	21	16	14
12	18	24	21	13	20	30	44	22	77	22	15	14
13	18	23	22	17	18	32	41	27	55	23	14	16
14	18	23	25	22	16	34	39	39	46	22	17	17
15	19	24	20	30	16	35	38	44	37	20	15	17
16	19	24	21	33	16	38	38	50	31	18	16	17
17	19	24	22	31	15	40	37	46	28	17	16	16
18	19	24	24	31	16	41	36	39	70	16	17	16
19	19	24	24	30	16	41	36	33	36	14	27	15
20	19	24	25	30	18	41	38	29	37	11	18	15
21	19	25	30	31	20	40	41	25	149	13	17	15
22	19	25	35	34	22	39	38	23	75	10	16	15
23	19	25	31	33	24	40	34	22	50	12	15	15
24	20	25	20	33	24	43	45	22	74	14	11	15
25	20	25	16	36	30	43	39	21	53	15	14	15
26	20	25	14	34	34	40	33	20	46	13	14	15
27	22	25	14	33	36	37	31	20	41	11	13	15
28	24	25	15	32	39	30	29	20	34	11	13	16
29	24	19	15	25	---	32	29	21	28	10	11	16
30	24	15	15	26	---	34	29	25	24	11	11	16
31	24	---	17	30	---	36	---	33	---	389	11	---
TOTAL	580	732	655	818	631	1189	1096	844	1785	956	708	436
MEAN	18.7	24.4	21.1	26.4	22.5	38.4	36.5	27.2	59.5	30.8	22.8	14.5
MAX	24	28	35	36	39	43	45	50	213	389	158	17
MIN	14	15	14	13	15	30	29	20	22	10	11	12
AC-FT	1150	1450	1300	1620	1250	2360	2170	1670	3540	1900	1400	865

CAL YR 1974 TOTAL 9282.3 MEAN 25.4 MAX 132 MIN 7.5 AC-FT 18410
WTR YR 1975 TOTAL 10430.0 MEAN 28.6 MAX 389 MIN 10 AC-FT 20690

PEAK DISCHARGE (BASE, 150 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 8	1130	4.69	640	6-21	2200	3.20	291
6- 9	0900	2.94	245	7- 9	0230	2.58	183
6-18	0830	2.38	153	7-31	1130	6.25	1,070

06837390 Hugh Butler Lake near McCook, Nebr.

LOCATION.--Lat 40°21'35", long 100°39'55", in SW1/4NW1/4 sec.31, T.5 N., R.29 W., Frontier County, in gate-control house at outlet tube of Red Willow Dam on Red Willow Creek, 12 mi (19 km) north of McCook.

DRAINAGE AREA.--730 mi² (1,890 km²), approximately, of which about 310 mi² (800 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--September 1961 to current year.

GAGE.--Water-stage recorder. Gage is referred to mean sea level. Prior to July 10, 1962, nonrecording gages at present datum.

EXTREMES.--Current year: Maximum contents, 38,600 acre-ft (47.6 hm³) June 26, elevation, 2,582.30 ft (787.085 m); minimum, 26,850 acre-ft (33.1 hm³) Oct. 2,3, elevation, 2,574.25 ft (784.631 m).

Period of record: Maximum contents, 41,680 acre-ft (51.4 hm³) July 15, 16, 1967, elevation, 2,584.14 ft (787.646 m); minimum since operation of reservoir began, 21,620 acre-ft (26.7 hm³) Nov. 8, 9, 1962, elevation, 2,569.84 ft (783.287 m).

REMARKS.--Reservoir is formed by earthfill dam; storage began Sept. 5, 1961. Capacity, 31,470 acre-ft (38.8 hm³) between elevations 2,522.0 ft (768.71 m), sill of outlet works, and 2,581.8 ft (786.93 m), top of irrigation pool. Top of flood-control pool and crest of mean spillway at elevation 2,604.9 ft (793.97 m), capacity, 86,360 acre-ft (0.106 km³). Top of superstorage flood-control pool at evevation 2,627.8 ft (800.95 m), capacity, 162,600 acre-ft (0.200 km³). Dead storage, 6,310 acre-ft (7.78 hm³). Figures given herein represent total contents. Water used for irrigation in Frenchman-Cambridge irrigation project.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS.--WSP 2119: Drainage area.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

2,570	21,800	2,580	34,910
2,575	27,800	2,585	43,170

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26860	27680	28680	29770	31010	32200	33810	35380	35390	38330	33140	28630
2	26850	27680	28700	29840	31060	32260	33840	35390	35380	38180	33140	28420
3	26870	27770	28720	29840	31110	32330	33880	35390	35380	37940	33140	28180
4	26900	27840	28760	29900	31140	32400	33910	35390	35380	37740	33130	28060
5	26920	27870	28820	29920	31160	32450	33960	35410	35380	37530	33100	28000
6	26930	27920	28840	29960	31170	32520	33990	35410	35350	37290	33010	27930
7	26920	27930	28870	29990	31190	32550	34140	35410	35390	37030	32920	27810
8	26950	27970	28880	30020	31210	32610	34230	35410	36460	36790	32730	27740
9	26960	28050	28910	30100	31260	32700	34260	35410	36770	36740	32540	27700
10	27010	28090	28950	30130	31310	32740	34320	35410	37000	36510	32330	27670
11	27010	28130	28990	30110	31340	32830	34370	35410	37140	36240	32060	27650
12	27030	28130	29040	30110	31370	32830	34430	35500	37270	36010	31790	27610
13	27080	28180	29050	30150	31410	32860	34570	35580	37320	35800	31510	27580
14	27110	28180	29150	30210	31490	32920	34620	35610	37370	35610	31340	27570
15	27110	28250	29160	30250	31550	32970	34660	35640	37370	35410	31240	27570
16	27130	28250	29190	30260	31580	33010	34710	35690	37390	35180	31230	27540
17	27150	28280	29240	30330	31620	33080	34820	35770	37520	34990	31130	27580
18	27200	28350	29260	30400	31660	33160	34910	35830	37600	34770	31100	27600
19	27210	28370	29310	30410	31690	33200	34960	35830	37610	34570	31060	27600
20	27210	28390	29350	30490	31730	33280	34970	35830	37730	34310	31000	27580
21	27240	28420	29410	30520	31770	33350	35020	35820	38300	34080	30940	27570
22	27280	28470	29470	30580	31820	33400	35100	35740	38400	33910	30880	27570
23	27300	28510	29510	30620	31840	33530	35140	35690	38450	33790	30830	27570
24	27340	28510	29530	30700	31930	33550	35190	35630	38480	33650	30640	27570
25	27360	28570	29530	30750	31960	33590	35240	35530	38550	33550	30290	27570
26	27390	28590	29580	30780	32020	33640	35300	35470	38550	33460	29950	27600
27	27440	28610	29640	30810	32090	33680	35330	35420	38480	33340	29730	27610
28	27490	28640	29690	30900	32120	33680	35380	35390	38480	33140	29530	27610
29	27560	28660	29700	30900	---	33710	35380	35420	38450	32910	29300	27630
30	27630	28670	29730	30940	---	33740	35380	35410	38420	32670	29050	27650
31	27630	---	29750	30980	---	33760	---	35390	---	32940	28860	---
MAX	27630	28670	29750	30980	32120	33760	35380	35830	38550	38330	33140	28630
MIN	26850	27680	28680	29770	31010	32200	33810	35380	35350	32670	28860	27540

WTR YR 1975 MAX 38550 MIN 26850

Change in contents, in acre-feet.
Elevation, in feet, at end of month.

06837500 Red Willow Creek near McCook, Nebr.

LOCATION.--Lat 40°20'50", long 100°38'35", in SW1/4NW1/4 sec.6, T.4 N., R.29 W., Red Willow County, on left bank 45 ft (14 m) downstream from bridge on U.S. Highway 83, 3 mi (5 km) downstream from Red Willow Dam and 10 mi (16 km) north of McCook.

DRAINAGE AREA.--740 mi^2 (1,920 km^2), approximately, of which about 320 mi^2 (830 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1940 to September 1947. Annual maximums, water years 1958-60. October 1960 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder, concrete control since Dec. 23, 1965. Datum of gage is 2,485.97 ft (757.724 m) above mean sea level. October 1940 to September 1947 water-stage recorder at site 45 ft (13.7 m) upstream at datum 9.55 ft (2.911 m) higher. Nov. 22, 1957, to Sept. 30, 1960, crest-stage gage, Oct. 1, 1960, to Apr. 5, 1961, nonrecording gage, and Apr. 6, 1961 to Sept. 26, 1974 water-stage recorder at site 45 ft (13.7 m) upstream, present datum.

AVERAGE DISCHARGE.--22 years, 25.0 ft^3/s (0.708 m^3/s), 18,110 acre-ft/yr (22.3 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 174 ft^3/s (4.93 m^3/s) Aug. 26, gage height, 10.29 ft (3.136 m); minimum daily, 3.1 ft^3/s (0.088 m^3/s) Jan. 1.

Period of record: Maximum discharge, 30,000 ft^3/s (850 m^3/s) June 22, 1947, gage height, 31.95 ft (9.738 m), present datum, from rating curve extended above 2,500 ft^3/s (70.8 m^3/s) on basis of contracted-opening measurement of peak flow; minimum daily, 0.60 ft^3/s (0.017 m^3/s) Sept. 22, 1961.

Flood of June 1, 1935, reached a stage of 33.45 ft (10.196 m), from floodmarks, discharge, 45,000 ft^3/s (1,270 m^3/s).

REMARKS.--Records good. Natural flow affected by irrigation development above station and, since Sept. 5, 1961, by storage in Hugh Butler Lake. (See preceding page.)

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.5	4.3	3.1	4.5	4.9	4.1	4.3	29	40	67	116
2	4.1	4.5	4.3	3.4	4.5	4.7	4.0	4.4	30	69	44	109
3	4.6	4.5	4.3	3.9	4.4	4.7	3.4	3.9	25	101	41	108
4	4.5	4.5	4.0	3.9	4.0	4.7	3.2	4.5	21	103	37	100
5	4.5	4.2	3.7	3.9	4.6	4.7	3.5	4.8	21	102	29	72
6	4.5	4.1	3.7	3.[illegible]	4.4	4.9	4.1	4.4	13	111	36	53
7	4.5	4.1	3.8	3.[illegible]	4.7	4.9	4.5	3.8	3.7	120	52	53
8	4.8	4.3	3.9	3.7	4.7	4.9	4.5	4.3	7.9	121	100	49
9	5.1	4.5	4.1	3.8	4.8	4.9	4.4	4.2	5.9	123	101	44
10	4.9	4.6	3.9	4.1	5.1	4.9	4.3	4.5	4.7	122	105	42
11	4.9	4.7	3.9	4.2	4.5	4.9	4.4	4.1	4.1	122	123	34
12	4.7	4.7	3.9	4.3	3.7	4.7	4.7	4.2	4.3	118	121	17
13	4.7	4.7	3.9	4.5	4.2	4.7	4.9	4.9	4.6	114	121	12
14	4.7	4.7	3.9	4.5	4.3	4.7	4.9	4.4	4.3	112	105	12
15	4.7	4.7	3.9	4.3	4.5	4.7	4.7	4.0	4.4	110	81	12
16	4.7	4.7	3.9	3.9	4.5	4.9	4.4	3.3	4.5	110	73	12
17	4.7	4.8	4.0	4.3	4.5	4.9	4.2	4.0	15	111	69	4.0
18	4.5	4.7	4.0	4.5	4.5	4.7	4.9	4.0	30	111	60	4.0
19	4.2	4.5	3.7	4.5	4.4	4.7	5.2	4.0	29	111	52	4.0
20	4.4	4.5	3.7	4.5	4.1	4.7	5.2	4.0	29	110	45	4.0
21	4.8	4.8	3.7	4.5	4.3	4.7	4.9	13	31	110	35	4.0
22	4.2	4.5	3.7	4.5	4.5	4.7	4.9	37	30	108	41	4.0
23	4.3	4.1	3.7	4.5	4.5	4.7	4.6	43	29	86	41	4.0
24	4.5	4.1	3.5	4.3	4.4	4.4	4.1	38	26	60	70	4.0
25	4.5	4.0	3.8	3.9	4.1	3.9	4.1	39	22	55	142	4.0
26	4.5	3.9	4.1	4.3	5.1	4.4	4.4	39	21	53	168	4.0
27	4.5	4.0	4.1	4.5	4.9	4.8	4.5	35	22	57	124	4.0
28	4.5	4.3	4.1	4.5	4.9	4.7	4.5	31	21	74	123	4.0
29	4.5	4.3	4.1	4.5	---	4.9	3.7	30	21	112	122	10
30	4.5	4.3	4.0	4.5	---	4.9	4.1	30	26	114	122	10
31	4.5	---	3.2	4.5	---	4.5	---	31	---	107	124	---
TOTAL	141.4	132.8	120.8	129.8	125.6	146.4	131.3	450.0	539.4	3073	2574	911.0
MEAN	4.56	4.43	3.90	4.19	4.49	4.72	4.38	14.5	18.0	99.1	83.0	30.4
MAX	5.1	4.8	4.3	4.5	5.1	4.9	5.2	43	31	123	168	116
MIN	4.1	3.9	3.2	3.1	3.7	3.9	3.2	3.3	3.7	40	29	4.0
AC-FT	280	263	240	257	249	290	260	893	1070	6100	5110	1810

CAL YR 1974 TOTAL 9125.0 MEAN 25.0 MAX 137 MIN 3.1 AC-FT 18100
WTR YR 1975 TOTAL 8475.5 MEAN 23.2 MAX 168 MIN 3.1 AC-FT 16810

06838000 Red Willow Creek near Red Willow, Nebr.

LOCATION.--Lat 40°14'10", long 100°30'00", in NE1/4NE1/4 sec.17, T.3 N., R.28 W., Red Willow County, on right bank near downstream side of bridge on U.S. Highways 6 and 34, 0.8 mi (1.3 km) north of Red Willow and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--830 mi² (2,150 km²), approximately, of which about 410 mi² (1,060 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--September 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,398.64 ft (731.105 m) above mean sea level. Prior to May 26, 1945, nonrecording gage at bridge 1.2 mi (1.9 km) upstream at datum 11.16 ft (3.402 m) higher, and May 26, 1945 to Aug. 2, 1974, water-stage recorder on left bank at downstream side of bridge, present datum.

AVERAGE DISCHARGE.--36 years, 32.0 ft³/s (0.906 m³/s), 23,180 acre-ft/yr (28.6 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 238 ft³/s (6.74 m³/s) June 9, gage height, 7.38 ft (2.249 m); minimum daily, 1.0 ft³/s (0.028 m³/s) May 21,22.

Period of record: Maximum discharge, 30,000 ft³/s (850 m³/s) June 22, 1947, gage height, 18.36 ft (5.596 m), from rating curve extended above 6,800 ft³/s (193 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 0.33 ft³/s (0.009 m³/s) Sept. 8, 1971.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by irrigation development above station, since Sept. 5, 1961, by storage in Hugh Butler Lake (see sta 06837390), and since June 1963 by Red Willow Canal which diverts 4.5 mi (7.2 km) above station for irrigation of about 4,150 acres (16.8 km²).

REVISIONS (WATER YEARS).--WSP 1510: 1945(M). WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	10	9.5	12	9.4	11	11	12	5.6	14	40	57
2	7.7	10	10	12	11	10	10	12	6.1	20	31	47
3	7.7	10	10	12	10	10	11	12	7.3	26	25	43
4	8.3	10	11	13	10	11	10	11	3.8	20	24	55
5	8.5	9.9	12	13	8.4	12	10	11	15	19	14	43
6	8.4	9.5	13	14	8.4	14	11	11	18	20	9.3	24
7	8.5	9.7	12	15	8.6	12	10	10	10	32	7.6	22
8	8.5	10	10	15	8.6	11	11	9.7	37	27	24	24
9	9.0	10	11	14	8.0	11	11	9.8	103	27	26	24
10	8.9	10	12	13	8.6	11	11	9.4	24	29	25	19
11	8.8	9.9	11	9.0	9.6	12	11	9.3	14	26	33	15
12	9.0	9.9	10	8.6	10	10	11	9.1	11	25	28	12
13	10	10	10	10	9.2	11	11	9.8	11	18	30	11
14	9.7	10	9.4	12	8.4	10	11	8.0	10	18	36	10
15	9.5	10	9.0	12	8.0	9.8	11	1.6	10	16	20	11
16	10	10	9.2	12	7.8	9.5	10	1.4	10	15	19	15
17	10	10	9.2	14	7.8	11	11	3.7	8.2	14	14	11
18	10	10	9.4	16	8.0	10	11	4.3	48	14	20	7.4
19	9.5	11	10	15	9.6	9.2	11	4.4	17	15	19	15
20	9.6	10	10	13	11	9.6	11	3.5	12	14	18	8.8
21	10	11	10	12	13	11	11	1.0	39	21	9.8	8.5
22	10	11	10	12	15	13	11	1.0	52	25	7.5	8.2
23	10	11	10	11	14	11	11	9.1	15	23	5.8	8.0
24	9.8	10	9.0	11	12	9.6	11	9.1	39	20	9.7	7.5
25	9.9	11	9.4	11	11	9.7	10	9.1	45	15	57	7.4
26	10	11	9.4	9.9	12	9.3	11	9.1	11	13	97	7.5
27	10	11	10	10	11	11	11	9.6	10	12	70	7.3
28	10	11	10	10	11	7.3	11	5.6	10	14	52	7.4
29	9.9	10	11	8.6	---	9.8	11	4.5	11	29	56	7.1
30	10	9.5	11	9.0	---	11	12	4.6	10	24	58	7.1
31	10	---	12	9.4	---	10	---	5.2	---	52	56	---
TOTAL	289.0	306.4	319.5	368.5	279.4	327.8	325	230.9	623.0	656	941.7	542.2
MEAN	9.32	10.2	10.3	11.9	9.98	10.6	10.8	7.45	20.8	21.2	30.4	18.1
MAX	10	11	13	16	15	14	12	12	103	52	97	57
MIN	7.7	9.5	9.0	8.6	7.8	7.3	10	1.0	3.8	12	5.8	7.1
AC-FT	573	608	634	731	554	650	645	458	1240	1300	1870	1080

CAL YR 1974 TOTAL 5280.8 MEAN 14.5 MAX 207 MIN 1.1 AC-FT 10470
WTR YR 1975 TOTAL 5209.4 MEAN 14.3 MAX 103 MIN 1.0 AC-FT 10330

06841000 Medicine Creek above Harry Strunk Lake, Nebr.

LOCATION.--Lat 40°30'10", long 100°19'20", in SW1/4 sec.7, T.4 N., R.26 W., Frontier County, on right bank 0.3 mi (0.5 km) downstream from top of Harry Strunk Lake flood-control pool, 2.5 mi (4.0 km) upstream from top of irrigation pool, 3.8 mi (6.1 km) southeast of Stockville, and 13.5 mi (21.7 km) upstream from Medicine Creek Dam.

DRAINAGE AREA.--770 mi² (1,990 km²), approximately, of which about 530 mi² (1,370 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--January 1950 to current year. Prior to October 1950, published as "above Medicine Creek Reservoir."

GAGE.--Water-stage recorder. Concrete control since November 1950. Datum of gage is 2,380.94 ft (725.711 m) above mean sea level (Bureau of Reclamation bench mark).

AVERAGE DISCHARGE.--25 years, 69.3 ft³/s (1.963 m³/s), 50,210 acre-ft/yr (61.9 hm³/yr); median of yearly mean discharges, 60 ft³/s (1.699 m³/s), 43,500 acre-ft/yr (53.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,570 ft³/s (44.5 m³/s) June 21, gage height, 11.03 ft (3.362 m); minimum daily, 18 ft³/s (0.51 m³/s) Aug. 27.
Period of record: Maximum discharge, 11,600 ft³/s (329 m³/s) June 21, 1967, gage height, 20.05 ft
(6.111 m); minimum daily, 14 ft³/s (0.40 m³/s) Aug. 4, 5, 1955, Aug. 21, 1959, Aug. 8, 10, 1964.
Maximum stage since at least 1874, 24.4 ft (7.44 m) June 22, 1947, from floodmark (discharge not determined).

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	57	40	47	54	64	59	55	53	52	44	22
2	36	56	42	48	55	65	59	54	51	49	73	20
3	37	54	45	50	55	66	57	54	49	49	63	19
4	38	54	48	53	55	63	58	55	47	47	44	22
5	39	54	53	55	50	62	60	55	43	45	33	29
6	39	52	55	58	44	64	61	55	41	44	26	27
7	39	52	55	60	44	65	63	53	42	44	26	27
8	40	53	50	62	45	63	69	52	485	43	23	28
9	41	54	48	60	47	62	78	52	317	54	22	27
10	41	54	52	56	49	61	74	54	193	70	22	26
11	42	53	54	45	52	61	67	52	181	65	23	29
12	43	53	53	44	55	59	62	52	136	56	22	32
13	45	53	53	50	52	61	62	61	76	49	24	37
14	46	51	53	55	50	60	62	77	62	43	28	41
15	47	51	45	60	48	61	62	81	56	42	31	39
16	47	51	40	65	47	63	63	70	53	38	33	37
17	47	51	42	70	47	64	63	61	50	37	33	36
18	47	52	47	75	48	65	63	56	116	38	33	34
19	46	52	55	74	53	66	62	54	217	33	31	33
20	47	52	55	70	55	66	62	52	409	31	26	32
21	46	51	57	66	60	66	62	50	1020	51	30	33
22	45	50	55	63	60	69	61	50	601	35	29	33
23	48	52	55	59	64	74	76	49	213	34	26	33
24	48	52	48	58	63	69	75	47	151	36	22	33
25	48	52	40	57	60	65	66	46	111	33	22	35
26	50	52	41	57	60	61	62	44	85	30	22	34
27	52	52	42	57	62	60	60	43	74	28	18	34
28	52	53	43	57	62	58	58	44	64	26	19	35
29	53	48	44	57	---	60	57	49	58	29	20	36
30	55	43	45	55	---	61	55	55	55	21	22	36
31	56	---	46	55	---	60	---	56	---	24	22	---
TOTAL	1396	1564	1501	1798	1496	1964	1898	1687	5109	1276	912	939
MEAN	45.0	52.1	48.4	58.0	53.4	63.4	63.3	54.4	170	41.2	29.4	31.3
MAX	56	57	57	75	64	74	78	81	1020	70	73	41
MIN	35	43	40	44	44	58	55	43	41	21	18	19
AC-FT	2770	3100	2980	3570	2970	3900	3760	3350	10130	2530	1810	1860

CAL YR 1974 TOTAL 18204 MEAN 49.9 MAX 242 MIN 17 AC-FT 36110
WTR YR 1975 TOTAL 21540 MEAN 59.0 MAX 1020 MIN 18 AC-FT 42720

PEAK DISCHARGE (BASE, 1,200 FT³/S).--June 21 (0545) 1,570 ft³/s (11.03 ft).

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06842000 Harry Strunk Lake near Cambridge, Nebr.

LOCATION.--Lat 40°22'40", long 100°13'00", in NE1/4 sec.25, T.5 N., R.26 W., Frontier County, near right bank in control house at outlet tube of Medicine Creek Dam on Medicine Creek, 7 mi (11 km) northwest of Cambridge.

DRAINAGE AREA.--880 mi² (2,280 km²), approximately, of which about 640 mi² (1,660 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Aug. 18, 1960, nonrecording gage at present datum.

EXTREMES.--Current year: Maximum contents, 41,910 acre-ft (51.7 hm³) June 22,23, elevation, 2,368.56 ft (721.937 m); minimum, 15,690 acre-ft (19.3 hm³) Oct. 1, elevation, 2,350.45 ft (716.417 m).

Period of record: Maximum contents observed, 55,750 acre-ft (68.7 hm³) Mar. 23, 1960, elevation, 2,374.10 ft (723.626 m); minimum observed since operation of reservoir began, 14,200 acre-ft (17.5 hm³) Aug. 29, 1974, elevation 2,348.86 ft (715.933 m); minimum observed elevation, 2,347.45 ft (715.503 m) Sept. 20, 21, 1955.

REMARKS.--Reservoir is formed by earthfill dam; storage began Aug. 8, 1949. Capacity, 32,230 acre-ft (39.7 hm³) between elevation 2,335.0 ft (711.71 m), sill of outlet gates, and 2,366.1 ft (721.19 m), top of storage pool and crest of slot in spillway. Top of flood-control pool and crest of main spillway at elevation 2,386.2 ft (727.31 m), capacity, 89,310 acre-ft (0.110 km³). Top of superstorage flood-control pool at elevation 2,400.0 ft (731.52 m), capacity, 147,400 acre-ft (0.182 km³). Maximum water-surface elevation, 2,408.9 ft (734.23 m), 196,000 acre-ft (0.242 km³). Dead storage, 4,910 acre-ft (6.05 hm³). Figures given herein represent total contents. Water used for irrigation in Frenchman-Cambridge irrigation project.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS.--WSP 2119: Drainage area.

Capacity table (elevation, in feet, and useable contents, in acre-feet)

2,350	15,250	2,365	35,140
2,355	20,550	2,370	44,890
2,360	27,100		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15740	18050	20540	23330	26380	29100	32590	35830	37230	39350	27850	19470
2	15790	18130	20620	23480	26490	29210	32670	36010	37330	39100	28000	19280
3	15870	18230	20680	23540	26630	29350	32770	36030	37420	38810	28140	19040
4	15950	18320	20780	23610	26690	29460	32890	36140	37480	39550	28240	18860
5	15990	18370	20890	23750	26730	29550	33000	36160	37480	38320	28280	18740
6	16020	18460	21050	23820	26760	29670	33120	36250	37510	38040	28310	18710
7	16080	18550	21110	23970	26840	29770	33200	36270	37800	37500	28310	18760
8	16140	18630	21150	24040	26900	29860	33450	36320	38830	36700	28210	18800
9	16230	18750	21250	24150	27010	30060	33590	36370	39350	36030	28020	18950
10	16330	18840	21350	24250	27100	30150	33640	36480	39430	35360	27780	18920
11	16420	18930	21450	24280	27190	30300	33750	36500	39430	34790	27230	18950
12	16430	19010	21560	24300	27310	30380	33840	36550	39390	34250	26520	18970
13	16540	19120	21640	24370	27410	30480	33990	36640	39180	33710	25780	19030
14	16590	19140	21800	24450	27540	30590	34100	36790	38910	33120	25410	19060
15	16630	19280	21890	24560	27630	30690	34240	36880	38680	32470	25330	19170
16	16740	19340	21940	24670	27770	30780	34390	36970	38840	31810	25370	19250
17	16790	19410	22050	24780	27850	30910	34580	37080	38440	31330	25480	19380
18	16860	19550	22140	24940	27990	31030	34640	37160	38270	30820	25410	19380
19	16930	19610	22250	25000	28080	31190	34720	37190	38830	30360	25220	19440
20	16980	19690	22350	25190	28210	31330	34830	37230	39980	29870	24960	19450
21	17080	19800	22470	25300	28280	31440	34930	37230	41330	29700	24680	19490
22	17130	19960	22600	25390	28370	31570	35110	37270	41910	29660	24260	19530
23	17210	19990	22640	25500	28490	31730	35290	37340	41890	29690	23800	19580
24	17280	20040	22700	25560	28610	31810	35340	37440	41610	29700	23290	19600
25	17390	20140	22750	25680	28660	31850	35450	37440	41200	29700	22620	19650
26	17430	20250	22830	25810	28750	31930	35580	37360	40920	29670	21940	19780
27	17540	20320	22960	25910	28930	32180	35690	37290	40560	29670	21310	19800
28	17630	20390	23010	26040	29030	32250	35740	37060	40270	29330	20730	19810
29	17720	20450	23110	26120	---	32330	35780	37040	39920	28780	20320	19920
30	17890	20480	23210	26190	---	32450	35800	37080	39630	28090	19990	19960
31	17970	---	23260	26290	---	32540	---	37180	---	27930	19730	---
MAX	17970	20480	23260	26290	29030	32540	35800	37440	41910	39350	28310	19960
MIN	15740	18050	20540	23330	26380	29100	32590	35830	37230	27930	19730	18710

WTR YR 1975 MAX 41910 MIN 15740

Change in contents, in acre-feet.
Elevation, in feet, at end of month.

06842500 Medicine Creek below Harry Strunk Lake, Nebr.

LOCATION.--Lat 40°22'20", long 100°13'20", at center of sec.25, T.5 N., R.26 W., Frontier County, on right bank 0.5 mi (0.8 km) downstream from Medicine Creek Dam and 6.5 mi (10.5 km) northwest of Cambridge.

DRAINAGE AREA.--880 mi² (2,280 km²), approximately, of which about 640 mi² (1,660 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1949 to current year. Prior to October 1950, published as "below Medicine Creek Dam." Monthly discharge only for some periods, published in WSP 1730.

GAGE.--Water-stage recorder. Concrete control since August 1950. Datum of gage is 2,295.26 ft (699.595 m) above mean sea level (Bureau of Reclamation bench mark). Prior to Apr. 24, 1950, nonrecording gage at site 0.5 mi (0.8 km) upstream at different datum.

AVERAGE DISCHARGE.--26 years, 65.3 ft³/s (1.849 m³/s), 47,310 acre-ft/yr (58.3 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 455 ft³/s (12.9 m³/s) July 9-10, gage height, 3.20 ft (0.975 m); minimum daily, 0.42 ft³/s (0.012 m³/s) Apr. 28.
Period of record: Maximum discharge, 1,300 ft³/s (36.8 m³/s) Mar. 23, 1960, gage height, 5.97 ft (1.820 m); minimum daily, 0.10 ft³/s (0.003 m³/s) Nov. 13, 1952, Sept. 19, 1963, Sept. 27-29, 1964.

REMARKS.--Records good. Flow regulated by Harry Strunk Lake. (See preceding page.) Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	2.2	1.6	1.8	1.8	.66	.75	.53	1.5	163	72	137
2	.85	2.2	1.6	1.8	1.8	.64	.80	.58	2.0	153	4.0	100
3	1.0	2.2	1.6	1.8	1.8	.64	.80	.57	1.8	150	1.2	117
4	1.5	2.2	1.6	1.8	1.8	.64	.80	.55	2.8	140	1.2	135
5	2.0	1.8	1.6	1.8	1.8	.64	.79	.54	3.2	134	1.5	92
6	2.0	.94	1.6	1.8	1.8	.64	.80	1.5	20	170	1.6	28
7	2.0	.90	1.6	1.8	1.8	.63	1.0	1.3	24	288	26	1.5
8	2.0	.90	1.6	1.8	1.8	.64	.82	1.2	26	410	82	1.4
9	2.1	.96	1.6	1.8	1.8	.72	.66	1.2	49	455	90	1.3
10	2.1	.90	1.6	1.8	1.7	.66	.53	1.2	87	440	118	.67
11	2.1	.92	1.6	1.8	1.7	.64	.58	1.2	150	339	274	.90
12	2.1	.90	1.6	1.7	1.5	.64	.73	1.3	148	310	359	.88
13	2.2	.99	1.6	1.8	1.6	.64	1.0	1.8	144	322	386	1.3
14	2.1	.90	1.6	1.8	1.6	.72	1.0	1.5	142	316	229	1.5
15	2.5	.90	1.6	1.8	1.6	.75	.92	1.4	141	350	43	1.5
16	2.6	.90	1.6	1.8	1.6	.79	.96	1.4	141	339	1.8	1.5
17	2.2	.90	1.6	1.8	1.6	.85	.81	1.4	141	299	1.6	1.6
18	2.9	.90	1.5	1.8	1.6	.90	.63	1.4	144	255	40	1.0
19	3.7	.80	1.5	1.9	1.6	.90	.53	1.4	146	255	148	1.4
20	3.9	.80	1.5	1.8	1.6	.75	.54	1.4	168	255	132	1.4
21	3.1	.80	1.5	1.8	1.6	.97	.50	1.4	225	264	141	1.2
22	2.1	.80	1.6	1.8	1.6	.95	.48	1.4	278	82	201	1.2
23	2.1	.76	1.6	1.8	1.6	1.0	.52	1.7	279	1.6	231	1.2
24	2.1	.72	1.6	1.8	1.7	.97	.51	2.1	271	1.6	252	1.2
25	2.1	.72	1.8	1.8	1.6	.88	.56	2.8	255	3.7	110	1.4
26	2.1	1.6	1.9	1.8	1.4	.72	.48	2.9	235	35	359	1.4
27	2.1	1.6	1.9	1.8	.72	.95	.49	79	220	35	343	1.5
28	2.2	1.6	1.9	1.8	.67	.74	.42	165	205	137	296	1.5
29	2.2	1.6	1.9	1.8	---	.73	.48	47	192	259	234	1.5
30	2.4	1.6	1.9	1.8	---	.79	.50	1.3	177	339	170	1.6
31	2.2	---	1.9	1.8	---	.80	---	1.2	---	279	153	---
TOTAL	67.25	35.91	51.2	55.8	44.79	23.59	20.48	329.17	4019.3	6979.9	4714.9	640.55
MEAN	2.17	1.20	1.65	1.80	1.60	.76	.68	10.6	134	225	152	21.4
MAX	3.9	2.2	1.9	1.9	1.8	1.0	1.0	165	279	455	386	137
MIN	.70	.72	1.5	1.7	.67	.63	.42	.53	1.5	1.6	1.2	.67
AC-FT	133	71	102	111	89	47	41	653	7970	13840	9350	1270

CAL YR 1974 TOTAL 18669.48 MEAN 51.1 MAX 396 MIN .45 AC-FT 37030
WTR YR 1975 TOTAL 16982.94 MEAN 46.5 MAX 455 MIN .42 AC-FT 33690

06843500 Republican River at Cambridge, Nebr.

LOCATION.--Lat 40°17'05", long 100°08'35", in NW1/4SE1/4 sec.28, T.4 N., R.25 W., Furnas County, on left bank 400 ft (122 m) south of U.S. Highways 6 and 34, 0.5 mi (0.8 km) downstream from Medicine Creek, 1 mi (2 km) east of Cambridge, and 1.3 mi (2.1 km) upstream from Cambridge diversion dam.

DRAINAGE AREA.--14,520 mi² (37,600 km²), approximately, of which about 7,810 mi² (20,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--September 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,239.07 ft (682.469 m) above mean sea level. Prior to July 13, 1948, nonrecording gage at site 150 ft (46 m) upstream at same datum and July 13, 1948, to Sept. 25, 1950, at present site and datum.

AVERAGE DISCHARGE.--30 years, 340 ft³/s (9.629 m³/s), 246,300 acre-ft/yr (0.304 km³/yr).

EXTREMES.--Current year: Maximum discharge, 3,460 ft³/s (98.0 m³/s) June 20, gage height, 8.19 ft (2.496 m); minimum daily, 18 ft³/s (0.51 m³/s) May 26.

Period of record: Maximum discharge, 160,000 ft³/s (4,530 m³/s) June 22, 1947, gage height, 16.7 ft (5.09 m), from floodmarks, from rating curve extended above 12,000 ft³/s (340 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 6.4 ft³/s (0.18 m³/s) Aug. 18, 1949.

Maximum stage since at least 1826, 17.6 ft (5.36 m) May 31 to June 1, 1935, from information by local resident, discharge, about 280,000 ft³/s (7,930 m³/s).

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station and since 1949 by regulation from upstream reservoirs.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	133	100	140	170	184	156	87	46	333	724	217
2	91	130	90	145	175	167	162	94	85	301	540	208
3	85	133	90	150	180	156	175	96	86	277	277	160
4	85	141	105	150	155	157	165	80	64	245	205	224
5	84	143	120	155	115	174	157	80	44	212	195	227
6	91	136	150	155	65	171	138	79	65	195	169	162
7	98	136	140	160	60	163	140	77	100	304	149	91
8	97	139	120	160	70	157	175	79	392	390	193	72
9	96	139	110	165	80	147	157	75	1560	434	219	78
10	97	139	125	170	95	182	138	78	1030	502	205	79
11	101	133	135	145	110	153	118	71	574	468	329	79
12	97	132	150	110	120	151	124	74	433	427	432	80
13	110	129	140	75	110	151	128	108	355	437	480	83
14	107	126	130	70	100	153	132	135	321	426	455	85
15	107	131	105	95	90	154	128	66	302	436	301	91
16	106	139	95	120	100	152	121	61	291	445	216	98
17	104	132	95	150	110	154	120	97	265	416	166	101
18	98	128	120	190	125	149	125	93	473	371	134	106
19	100	130	140	220	140	142	133	65	847	394	222	88
20	100	125	160	230	160	147	122	58	1740	368	235	88
21	105	126	175	215	170	156	117	52	1130	586	216	78
22	102	129	190	190	180	165	115	43	1330	366	266	72
23	106	132	155	180	190	161	111	31	951	251	283	67
24	107	128	125	200	200	155	111	36	730	259	291	67
25	112	131	100	210	220	155	108	29	612	198	336	72
26	127	132	95	225	280	155	99	18	559	199	410	75
27	125	130	105	170	300	177	83	23	495	168	430	72
28	125	131	110	140	224	166	85	240	428	228	376	72
29	128	130	120	150	---	154	85	137	384	348	328	75
30	145	115	130	160	---	154	90	99	367	389	278	74
31	144	---	135	170	---	155	---	79	---	614	237	---
TOTAL	3264	3958	3860	4965	4094	4917	3818	2420	16059	10977	9297	3131
MEAN	105	132	125	160	146	159	127	78.1	535	354	300	104
MAX	145	143	190	230	300	184	175	240	1740	614	724	227
MIN	84	115	90	70	60	142	83	18	44	168	134	67
AC-FT	6470	7850	7660	9850	8120	9750	7570	4800	31850	21770	18440	6210

CAL YR 1974 TOTAL 94875 MEAN 260 MAX 2940 MIN 67 AC-FT 188200
WTR YR 1975 TOTAL 70760 MEAN 194 MAX 1740 MIN 18 AC-FT 140400

06844500 Republican River near Orleans, Nebr.

LOCATION.--Lat 40°07'53", long 99°30'08", in NE1/4NE1/4 sec.19, T.2 N., R.19 W., Harlan County, on right bank 18 ft (5 m) downstream from bridge on State Highway 89, 200 ft (61 m) downstream from Burlington Northern Inc. bridge, 2 mi (3 km) west of Orleans, 2.8 mi (4.5 km) upstream from Sappa Creek, and 23 mi (37 km) upstream from Harlan County Dam.

DRAINAGE AREA.--15,640 mi² (40,500 km²), approximately, of which about 8,910 mi² (23,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1947 to current year.

GAGE.--Water-stage recorder, Datum of gage is 1,972.57 ft (601.239 m) above mean sea level. Prior to June 2, 1948, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--28 years, 334 ft³/s (9.459 m³/s), 242,000 acre-ft/yr (0.298 km³/yr).

EXTREMES.--Current year: Maximum discharge, 5,680 ft³/s (161 m³/s) June 21, gage height, 10.48 ft (3.194 m); minimum daily, 41 ft³/s (1.16 m³/s) June 7.

Period of record: Maximum discharge, 40,600 ft³/s (1,150 m³/s) June 22, 1948, gage height, 11.25 ft (3.429 m), from rating curve extended above 29,000 ft³/s (821 m³/s); maximum gage height, 12.60 ft (3.840 m) Mar. 22, 1960, backwater from ice; no flow at times in 1952-57, 1963.

Maximum flood since at least 1826 occurred June 1, 1935. Flood of June 23, 1947, reached a stage of 14.00 ft (4.267 m), from floodmark (discharge not determined).

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by irrigation development above station and regulation by upstream reservoirs. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	168	115	110	175	290	198	134	105	390	576	102
2	59	155	100	115	185	260	193	133	97	360	633	75
3	65	150	100	120	170	230	201	130	83	329	562	71
4	71	141	110	125	160	245	200	126	77	303	375	85
5	67	142	130	130	145	275	203	124	67	246	262	106
6	72	146	160	135	115	302	195	119	51	207	201	140
7	75	145	175	145	70	268	192	114	41	180	168	153
8	79	138	145	160	65	259	189	110	243	164	129	123
9	85	139	130	190	75	257	192	107	1450	183	106	89
10	88	139	125	210	95	277	199	107	1580	172	98	73
11	88	138	140	200	120	278	187	115	1080	168	89	64
12	90	135	160	160	135	259	176	152	786	200	68	62
13	103	135	155	100	130	245	169	128	664	153	79	73
14	106	135	140	75	115	239	174	123	567	136	293	99
15	115	134	110	85	105	232	170	126	497	132	283	99
16	121	132	100	110	110	236	171	123	453	114	246	102
17	116	135	100	145	125	240	170	97	416	105	200	115
18	114	136	105	200	150	240	174	89	791	106	150	109
19	115	135	120	235	165	232	173	89	1610	90	103	108
20	116	131	150	260	180	225	170	85	1950	76	83	108
21	115	137	185	245	195	225	174	78	4790	230	97	97
22	114	142	200	215	210	228	169	79	4400	1210	98	95
23	116	145	220	195	230	225	167	98	3020	615	82	89
24	117	146	185	190	245	219	167	84	1400	334	77	85
25	114	148	150	200	260	210	167	61	1140	236	73	80
26	117	147	100	215	280	209	177	53	984	189	74	79
27	123	148	90	240	290	216	174	59	717	131	81	76
28	132	152	90	215	310	212	166	98	624	106	102	78
29	139	148	95	190	---	220	147	87	523	74	117	77
30	154	135	100	150	---	209	139	166	454	66	114	78
31	168	---	105	160	---	206	---	133	---	110	117	---
TOTAL	3208	4257	4090	5225	4610	7468	5343	3327	30660	7115	5736	2790
MEAN	103	142	132	169	165	241	178	107	1022	230	185	93.0
MAX	168	168	220	260	310	302	203	166	4790	1210	633	153
MIN	54	131	90	75	65	206	139	53	41	66	68	62
AC-FT	6360	8440	8110	10360	9140	14810	10600	6600	60810	14110	11380	5530

CAL YR 1974 TOTAL 83128 MEAN 228 MAX 2300 MIN 16 AC-FT 164900
WTR YR 1975 TOTAL 83829 MEAN 230 MAX 4790 MIN 41 AC-FT 166300

06846500 Beaver Creek at Cedar Bluffs, Kans.

LOCATION.--Lat 39°59'06", long 100°33'35", in NW1/4NE1/4 sec.10, T.1 S., R.29 W., Decatur County, on right bank at downstream side of bridge on U.S. Highway 83, 0.2 mi (0.3 km) north of Cedar Bluffs, 1.0 mi (1.6 km) south of Kansas-Nebraska State line, and at mi 107.4 (172.8 km).

DRAINAGE AREA.--1,618 mi^2 (4,191 km^2), of which 294 mi^2 (761 km^2) is probably noncontributing.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,520.33 ft (768.197 m) above mean sea level. Prior to Aug. 19, 1971, at site 0.1 mi (0.2 km) upstream at same datum. Aug. 19, 1971, to July 12, 1972, at site 0.8 mi (1.3 km) downstream at datum 5.00 ft (1.524 m) lower.

AVERAGE DISCHARGE.--30 years, 21.8 ft^3/s (0.617 m^3/s), 15,790 acre-ft/yr (19.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 480 ft^3/s (13.6 m^3/s) July 31, gage height, 8.66 ft (2.640 m): no flow at times.

Period of record: Maximum discharge, 7,940 ft^3/s (225 m^3/s) June 11, 1960, gage height, 18.71 ft (5.703 m); no flow at times in most years.

Flood in July 1944 reached a stage of 18.16 ft (5.535 m), from floodmark.

REMARKS.--Records fair. Records of suspended sediment loads for the water year 1975 are published in Part 2 of WRD Kans.

REVISIONS (WATER YEARS).--WSP 1510: 1947, 1950-51.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0		0		9.5	47	14	
2					0		0		76	40	1.0	
3					0		0		36	34	.01	
4					0		0		18	29	0	
5					0		0		10	25	0	
6					0		0		6.5	16	0	
7					0		0		4.3	14	0	
8					0		0		7.7	16	0	
9					0		0		72	16	0	
10					0		0		185	32	0	
11					0		0		95	22	0	
12					0		0		44	16	0	
13					0		0		30	12	61	
14					0		0		22	12	14	
15					0		0		12	10	1.0	
16					0		0		8.6	8.3	0	
17					0		0		9.6	7.4	0	
18					.02		0		150	6.8	0	
19					.22		0		233	5.2	0	
20					.09		0		177	4.5	0	
21					.05		0		279	3.2	0	
22					0		0		290	14	0	
23					0		3.0		303	3.9	0	
24					.08		19		238	1.2	0	
25					.02		7.6		150	.91	0	
26					.17		.88		174	4.7	.26	
27					.05		0		165	2.4	4.8	
28					0		0		103	.79	1.1	
29					---		0		78	1.0	.20	
30					---		0		58	.11	0	
31		---			---		---		---	106	0	---
TOTAL	0	0	0	0	.70	0	30.48	0	3044.2	511.41	97.37	0
MEAN	0	0	0	0	.025	0	1.02	0	101	16.5	3.14	0
MAX	0	0	0	0	.22	0	19	0	303	106	61	0
MIN	0	0	0	0	0	0	0	0	4.3	.11	0	0
AC-FT	0	0	0	0	1.4	0	60	0	6040	1010	193	0

CAL YR 1974 TOTAL 3164.22 MEAN 8.67 MAX 492 MIN 0 AC-FT 6280
WTR YR 1975 TOTAL 3684.16 MEAN 10.1 MAX 303 MIN 0 AC-FT 7310

PEAK DISCHARGE (BASE, 300 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-23	0600	7.97	324	08-13	1500	8.13	356
07-31	0600	8.66	480				

06847000 Beaver Creek near Beaver City, Nebr.

LOCATION.--Lat 40°07'12", long 99°53'35", in SW1/4SW1/4 sec.23, T.2 N., R.23 W., Furnas County, on left bank 400 ft (122 m) downstream from bridge on U.S. Highway 283, 3.5 mi (5.6 km) west of Beaver City, and at mi 24.7 (39.7 km).

DRAINAGE AREA.--1,950 mi^2 (5,050 km^2), approximately, of which about 1,650 mi^2 (4,270 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1936 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,162.96 ft (659.270 m) above mean sea level. Prior to Aug. 13, 1947, nonrecording gages and Aug. 13, 1947, to Nov. 14, 1957, water-stage recorder, at site 400 ft (120 m) upstream at datum 2.0 ft (0.61 m) higher. Nov. 15, 1957, to Sept. 22, 1958, at site 3.6 mi (5.8 km) upstream at different datum.

AVERAGE DISCHARGE.--39 years, 27.9 ft^3/s (0.790 m^3/s), 20,210 acre-ft/yr (24.9 hm^3/yr); median of yearly mean discharges, 20 ft^3/s (0.566 m^3/s), 14,500 acre-ft/yr (17.9 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 219 ft^3/s (6.20 m^3/s) June 21, gage height, 6.65 ft (2.027 m); minimum daily, 0.02 ft^3/s (0.0005 m^3/s) Oct. 7.

Period of record: Maximum discharge, 3,800 ft^3/s (108 m^3/s) July 19, 1944, gage height, 13.8 ft (4.21 m), from floodmark, site and datum then in use; no flow at times in 1937-40, 1946, 1953-57, 1959, 1969-74.

REMARKS.--Records good except those for winter period, which are poor.

REVISIONS (WATER YEARS).--WSP 1340: 1937-38(M), 1939, 1940-41(M), 1943(M). WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	.39	.31	.25	.60	1.1	.73	.94	.50	103	2.0	.53
2	.10	.35	.33	.28	.59	.99	.65	.95	.51	81	6.3	.43
3	.11	.35	.29	.28	.58	.84	.65	.93	.49	59	19	.41
4	.08	.33	.31	.30	.50	.79	.80	.86	.51	44	53	.91
5	.11	.31	.34	.32	.35	.82	.76	.79	.50	33	21	.88
6	.16	.30	.39	.35	.30	.90	.88	.74	.50	25	8.3	.76
7	.02	.31	.42	.40	.30	.82	.93	.71	.52	19	3.6	.50
8	.13	.35	.38	.45	.25	.78	1.0	.71	3.2	15	1.9	.49
9	.15	.40	.32	.50	.20	.79	.92	.64	2.2	13	1.5	.49
10	.16	.46	.35	.47	.20	.74	.80	.58	.97	12	1.1	.49
11	.17	.33	.37	.30	.25	.80	.86	.57	11	8.9	.95	.50
12	.17	.32	.36	.20	.30	.75	.91	.65	6.3	5.9	.85	.52
13	.20	.32	.38	.20	.35	.75	1.1	.76	3.3	8.1	31	.54
14	.17	.34	.35	.23	.38	.79	1.1	.74	30	5.9	27	.55
15	.19	.35	.30	.26	.38	.78	.96	.64	63	7.5	8.1	.60
16	.18	.35	.25	.30	.40	.78	.99	.53	43	10	2.4	.59
17	.18	.32	.30	.35	.42	.92	.87	.46	27	5.2	46	.56
18	.19	.33	.36	.40	.45	1.0	.91	.40	37	7.5	23	.50
19	.20	.32	.42	.45	.49	.78	.87	.37	25	2.5	9.7	.44
20	.19	.32	.46	.50	.52	.98	.93	.33	17	33	5.0	.40
21	.22	.30	.48	.55	.55	1.1	.84	.31	120	3.4	3.0	.46
22	.24	.34	.52	.60	.60	.96	.84	.35	162	5.1	1.7	.46
23	.24	.33	.52	.60	.65	.80	.87	.29	110	2.8	1.2	.46
24	.25	.36	.51	.59	.70	.71	.86	.32	132	1.9	1.0	.46
25	.25	.34	.45	.58	.80	.83	.86	.28	144	1.4	.82	.46
26	.21	.35	.40	.59	.90	.85	.79	.27	147	1.3	.79	.46
27	.27	.35	.38	.59	1.0	.84	.84	1.2	149	1.1	.77	.46
28	.33	.35	.35	.57	1.3	.86	.70	1.3	137	.98	.75	.46
29	.29	.35	.30	.53	---	.74	.91	.65	113	.99	.69	.46
30	.71	.31	.25	.55	---	.75	.93	.51	135	.95	.68	.46
31	.46	---	.25	.63	---	.81	---	.72	---	2.4	.59	---
TOTAL	6.39	10.23	11.40	13.17	14.31	26.14	25.92	19.50	1621.49	511.88	279.69	15.45
MEAN	.21	.34	.37	.42	.51	.84	.86	.63	54.0	16.5	9.02	.52
MAX	.71	.46	.52	.63	1.3	1.1	1.1	1.3	162	103	53	.91
MIN	.02	.30	.25	.20	.20	.71	.65	.27	.48	.89	.59	.40
AC-FT	13	20	23	26	28	52	51	39	3220	1020	555	31

CAL YR 1974 TOTAL 1872.54 MEAN 4.03 MAX 187 MIN 0 AC-FT 2920
WTR YR 1975 TOTAL 2555.57 MEAN 7.00 MAX 162 MIN .02 AC-FT 5070

PEAK DISCHARGE (BASE, 800 FT^3/S).--No peak above base.

06847500 Sappa Creek near Stamford, Nebr.

LOCATION.--Lat 40°07'53", long 99°33'15", in NW1/4NW1/4 sec.23, T.2 N., R.20 W., Harlan County, on left bank 40 ft (12 m) south of Burlington Northern Inc. track, 500 ft (152 m) downstream from bridge on county highway, 2 mi (3 km) east of Stamford, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--3,740 mi² (9,690 km²), approximately, of which about 3,280 mi² (8,500 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,981.31 ft (603.903 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 70.4 ft³/s (1.994 m³/s), 51,000 acre-ft/yr (62.9 hm³/yr); median of yearly mean discharges, 48 ft³/s (1.359 m³/s), 34,800 acre-ft/yr (42.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 562 ft³/s (15.9 m³/s) June 27, gage height, 9.35 ft (2.850 m); no flow for many days.
Period of record: Maximum discharge, 43,400 ft³/s (1,230 m³/s) June 24, 1966, gage height, 22.13 ft (6.745 m), from floodmark, from contracted opening and flow-over-road measurement of peak flow; no flow at times in many years.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by irrigation development above station.

REVISIONS (WATER YEARS).--WSP 1919: 1960. WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	.15	.84	40	.12	228	15	5.7
2					0	.01	.38	31	.07	185	54	5.6
3					0	1.0	.46	17	.06	137	263	3.7
4					0	1.3	.66	11	.02	101	184	3.6
5					0	1.9	.73	6.5	0	79	288	3.4
6					0	2.5	1.0	3.7	0	60	245	2.4
7					0	2.8	1.7	2.7	.20	49	172	2.1
8					0	2.8	1.4	2.3	10	36	206	2.3
9					0	2.5	.67	1.6	36	30	107	2.1
10					0	2.0	.67	.78	29	20	66	2.0
11					0	1.9	.73	.28	177	17	49	1.9
12					0	1.8	.61	.24	173	13	30	1.4
13					0	1.6	1.1	.37	160	8.1	23	1.2
14					0	1.5	1.5	.13	153	6.9	16	1.2
15					0	1.5	1.7	0	86	5.0	48	1.2
16					0	1.9	1.7	0	90	3.5	52	1.0
17					0	5.7	1.2	.16	117	4.6	66	1.2
18					0	6.2	1.2	.48	95	3.4	214	.96
19					0	5.4	.81	.20	71	.83	144	.64
20					0	7.3	.69	0	62	.31	91	.44
21					0	5.4	.99	0	56	3.6	59	.23
22					0	5.0	.64	0	69	182	43	.17
23					0	3.9	.48	0	194	150	24	.09
24					0	3.0	1.1	0	286	75	19	0
25					0	2.0	.71	0	417	44	15	0
26					0	1.5	.68	0	502	12	9.2	0
27					0	2.0	.51	10	543	5.7	6.7	0
28					.25	2.3	.38	35	511	4.5	6.7	0
29					---	2.1	.21	1.3	334	2.1	108	.40
30					---	1.8	.23	.61	263	2.5	13	.93
31		---			---	1.5	---	.25	---	4.8	6.5	---
TOTAL	0	0	0	0	.25	82.26	25.68	165.60	4434.47	1474.04	2644.1	45.76
MEAN	0	0	0	0	.009	2.65	.86	5.34	148	47.5	85.3	1.53
MAX	0	0	0	0	.25	7.3	1.7	40	543	228	288	5.7
MIN	0	0	0	0	0	.01	.21	0	0	.31	6.5	0
AC-FT	0	0	0	0	.5	163	51	328	8800	2920	5240	91

CAL YR 1974 TOTAL 3402.77 MEAN 9.32 MAX 179 MIN 0 AC-FT 6750
WTR YR 1975 TOTAL 8872.16 MEAN 24.3 MAX 543 MIN 0 AC-FT 17600

PEAK DISCHARGE (BASE, 1,000 FT³/S).--No peak above base.

06848500 Prairie Dog Creek near Woodruff, Kans.

LOCATION.--Lat 39°59'09", long 99°28'39", in NW1/4NW1/4 sec.9, T.1 S., R.19 W., Phillips County, on left bank at downstream side of bridge on U.S. Highway 383, 1 mi (2 km) south of Kansas-Nebraska State line, 2.5 mi (4.0 km) west of Woodruff, and at mi 26.5 (42.6 km).

DRAINAGE AREA.--1,007 mi² (2,608 km²).

PERIOD OF RECORD.--October 1928 to September 1932, October 1944 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,016.20 ft (614.538 m) above mean sea level. See WSP 1919 for history of changes prior to Oct. 7, 1955.

AVERAGE DISCHARGE.--35 years, 41.2 ft³/s (1.167 m³/s), 29,850 acre-ft/yr (36.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,240 ft³/s (35.1 m³/s) Aug. 14, gage height, 14.20 ft (4.328 m); minimum, 0.12 ft³/s (0.003 m³/s) Apr. 5.

Period of record: Maximum discharge, 15,000 ft³/s (425 m³/s) June 23, 1947, gage height, 21.04 ft (6.413 m), site and datum then in use, from rating curve extended above 6,500 ft³/s (184 m³/s) on basis of contracted-opening measurement of 11,300 ft³/s (320 m³/s); no flow at times in 1945, 1948, 1950, 1954-61, 1963-66, 1971-72.

REMARKS.--Records fair, except those for winter periods, which are poor. Flow regulated to some extent since 1964 by Norton Reservoir 48.4 mi (77.9 km) upstream (see sta 06847950) and by irrigation development above station. Records of chemical analyses for the water year 1975 are published in Part 2 of WRD Kans.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	.19	1.3	1.5	2.0	40	1.3	2.4	4.6	1.5	32	3.2
2	.54	.23	1.3	1.5	2.0	30	1.3	2.3	3.3	1.1	53	2.1
3	.67	28	1.3	1.5	2.0	20	1.0	2.2	2.6	.42	120	1.3
4	.56	11	1.4	1.5	2.0	20	.27	2.1	2.2	8.4	36	.94
5	.49	5.9	1.5	1.5	1.5	20	.15	2.2	1.8	2.3	14	1.3
6	.42	3.9	1.5	1.5	1.0	20	.25	2.2	1.5	2.4	4.6	1.3
7	.52	3.3	1.0	1.5	1.0	18	.31	2.1	1.3	1.6	1.4	1.6
8	.53	2.5	1.7	1.5	1.0	19	.20	2.1	105	1.4	1.7	1.1
9	.54	1.9	1.8	1.5	1.0	15	.16	2.0	112	7.4	.66	.89
10	.42	1.9	1.7	1.5	1.0	15	1.6	1.9	281	17	1.4	.75
11	.33	1.7	1.5	1.0	1.5	14	2.0	1.6	130	29	2.8	.96
12	.33	1.4	1.7	1.0	1.5	14	.98	1.8	32	32	4.0	.67
13	.58	1.3	1.5	1.0	1.5	14	.31	2.2	11	29	99	.73
14	.51	1.1	1.5	1.0	1.5	14	2.0	2.3	4.9	17	959	1.2
15	.51	1.2	1.5	1.0	1.5	14	2.7	2.4	2.8	5.6	416	11
16	.53	1.3	1.5	1.0	1.5	15	2.8	2.3	1.9	5.8	78	4.5
17	.56	1.5	1.5	1.5	1.5	18	3.1	2.3	1.5	4.0	20	2.2
18	.52	1.6	1.5	1.5	1.5	19	3.3	2.0	59	1.9	11	1.8
19	.54	1.7	1.5	1.5	1.5	16	3.1	1.7	10	4.0	6.4	1.6
20	.61	1.6	1.5	1.5	2.0	6.7	3.0	1.6	32	3.4	4.5	.90
21	.63	1.6	1.5	1.5	2.5	5.4	2.9	1.5	21	11	4.1	.64
22	.64	1.8	1.5	1.5	3.0	5.6	2.8	1.6	8.9	60	2.9	.91
23	.64	1.9	1.5	2.0	4.0	5.9	2.8	1.6	31	31	2.4	1.1
24	.64	2.4	1.5	3.0	5.0	4.2	2.7	1.7	21	5.9	2.2	1.1
25	.60	2.0	1.5	3.0	7.0	3.2	2.7	1.6	6.7	4.0	1.6	1.3
26	.59	1.8	1.5	3.0	10	2.6	2.7	1.7	2.2	4.3	5.6	1.2
27	.64	1.7	1.5	2.0	20	1.6	2.8	1.8	1.3	3.5	3.4	1.0
28	.77	1.6	1.5	2.0	50	1.5	2.7	2.2	1.5	.82	4.3	.94
29	.61	1.4	1.5	2.0	---	1.3	2.6	2.0	1.1	1.1	19	1.0
30	.82	1.2	1.5	2.0	---	1.1	2.5	3.2	1.5	4.2	19	1.2
31	.38	---	1.5	2.0	---	1.0	---	4.0	---	9.4	4.7	---
TOTAL	17.29	90.62	46.2	51.0	131.5	395.1	57.03	64.6	896.6	310.44	1934.66	50.43
MEAN	.56	3.02	1.49	1.65	4.70	12.7	1.90	2.08	29.9	10.0	62.4	1.68
MAX	.82	28	1.8	3.0	50	40	3.3	4.0	281	60	959	11
MIN	.33	.19	1.0	1.0	1.0	1.0	.15	1.5	1.1	.42	.66	.64
AC-FT	34	180	92	101	261	784	113	128	1780	616	3840	100

CAL YR 1974 TOTAL 1831.99 MEAN 5.02 MAX 56 MIN .10 AC-FT 3630
WTR YR 1975 TOTAL 4045.47 MEAN 11.1 MAX 959 MIN .15 AC-FT 8020

PEAK DISCHARGE (REGULATED) ABOVE 400 FT³/S.--Aug. 14 (0900) 1,240 ft³/s (14.20 ft).

06849000 Harlan County Lake near Republican City, Nebr.

LOCATION.--Lat 40°04'10", long 99°12'30", in sec.11, T.1 N., R.17 W., Harlan County, at left end of spillway on upstream side of Harlan County Dam on Republican River, 2 mi (3 km) southeast of Republican City and 8 mi (13 km) southeast of Alma.

DRAINAGE AREA.--20,750 mi² (53,700 km²), approximately, of which about 13,530 mi² (35,000 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--November 1952 to current year. Prior to October 1965 published as Harlan County Reservoir near Republican City.

GAGE.--Water-stage recorder. Gage is referred to mean sea level.

EXTREMES.--Current year: Maximum contents, 349,500 acre-ft (0.431 km³) June 28, elevation, 1,948.09 ft (593.778 m); minimum, 223,900 acre-ft (0.276 km³) Oct. 7-10, elevation, 1,938.09 ft (590.730 m).
Period of record: Maximum contents, 497,700 acre-ft (0.614 km³) Apr. 6, 1960, elevation, 1,955.67 ft (596.088 m); minimum since operation of reservoir began, 110,300 acre-ft (0.136 km³) Oct. 22 to Nov. 6, 1953, elevation, 1,922.00 ft (585.826 m).

REMARKS.--Reservoir is formed by earthfill dam with gravity-type concrete spillway section; storage began Nov. 14, 1952. Capacity, 342,600 acre-ft (0.422 km³) between elevations 1,885.0 ft (574.55 m), sill of outlet gates, and 1,946.0 ft (593.14 m), top of storage pool. Top of flood-control pool at elevation 1,973.5 ft (601.52 m), capacity, 840,600 acre-ft (1.04 km³). Top of superstorage flood-control pool at elevation 1,975.5 ft (602.13 m), capacity, 887,800 acre-ft (1.09 km³). Dead storage, 929 acre-ft (1.15 hm³). Figures given herein represent total contents. Water used for irrigation in the Bostwick irrigation project.

COOPERATION.--Capacity table furnished by Corps of Engineers.

Capacity table (elevation, in feet, and useable contents, in acre-feet)

1,935	217,600	1,945	329,600
1,940	270,200	1,950	398,900

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224200	227700	232800	239500	248200	258000	272300	283700	291700	344500	287300	258000
2	224100	227800	232900	240200	248500	258600	272700	284500	292000	343200	286400	256300
3	224100	228600	232900	240300	248800	259300	272800	284600	292100	341700	285600	255000
4	224100	228800	233000	240400	249200	259800	272900	285900	292300	339700	284500	254700
5	224000	228600	233300	240700	249400	260500	273300	285000	292400	337900	283800	254300
6	224000	228900	233600	240800	249600	261100	273500	285100	292300	335500	281900	253900
7	223900	229200	233800	241100	249600	261400	273700	285100	292100	333300	280200	253300
8	223900	229300	233800	241200	249800	261800	275800	284900	295300	330800	279100	252900
9	223900	229600	233900	241900	250000	263200	275800	285100	298300	328600	277300	252800
10	224000	229800	234400	242100	250400	263400	276100	285500	301400	326000	275800	252900
11	224000	229900	234700	242200	250900	263900	276500	285600	303700	323600	273800	252800
12	224000	229800	234900	242400	251200	264300	276600	285600	305000	321300	271700	252800
13	224100	229900	234900	242600	251500	264700	277600	286500	306200	318700	271100	252400
14	224100	230000	236100	242900	251900	265200	278000	286800	307100	316300	270600	252200
15	224200	230200	236200	243000	252400	265800	278300	286800	307800	313700	271500	252200
16	224200	230600	236200	243000	252900	266300	278800	286800	308300	311400	271900	252200
17	224200	230700	236200	243400	253300	266900	279200	287000	308400	308600	271800	252900
18	224200	231000	236600	243700	253500	267400	279800	287000	311100	306500	270900	252900
19	224300	231300	236900	243800	253800	267800	280000	287000	314600	304000	270500	252800
20	224200	231400	237000	244000	254100	268300	280100	287000	317000	301800	270100	252500
21	224300	231600	237200	244400	254300	268900	280300	287000	323700	300500	269100	252400
22	224300	231800	237700	244600	254600	269100	281000	287000	331300	301000	268100	252200
23	224400	232100	237900	245100	254900	269800	281200	287400	339000	301000	267200	252100
24	224500	232200	238100	245600	255200	269800	281600	287400	342900	301100	266100	252100
25	224700	232200	238200	246000	255600	269800	281600	287300	345300	299400	264500	252000
26	224700	232500	238600	246300	255900	269800	282200	286800	347400	297900	263500	251900
27	225100	232600	238700	246600	256600	271100	284000	288600	347700	295700	262100	252000
28	225700	232700	238900	247000	257500	271500	283900	289800	347700	293500	261500	251900
29	225800	232800	239000	247400	---	271600	284000	291400	347000	291100	260600	252000
30	227500	232800	239200	247700	---	271700	283700	291500	345800	289000	259900	252100
31	227600	---	239400	248100	---	271900	---	291700	---	287300	258700	---
MAX	227600	232800	239400	248100	257500	271900	284000	291700	347700	344500	287300	258000
MIN	223900	227700	232800	239500	248200	258000	272300	283700	291700	287300	258700	251900

WTR YR 1975 MAX 347700 MIN 223900

Change in contents, in acre-feet.
Elevation, in feet, at end of month.

06849500 Republican River below Harlan County Dam, Nebr.

LOCATION.--Lat 40°04'45", long 99°10'05", in SW1/4 sec.6, T.1 N., R.16 W., Franklin County, on left bank 1.4 mi (2.3 km) west of Naponee, 1.4 mi (2.3 km) upstream from Turkey Creek, and 2.8 mi (4.5 km) downstream from Harlan County Dam.

DRAINAGE AREA.--20,760 mi² (53,800 km²), approximately, of which about 13,550 mi² (35,100 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--December 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,863.38 ft (567.952 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--22 years (1953-75), 306 ft³/s (8.666 m³/s), 221,700 acre-ft/yr (0.273 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,200 ft³/s (34.0 m³/s) July 21, gage height, 4.05 ft (1.234 m); minimum daily, 6.7 ft³/s (0.19 m³/s) Apr. 3.
Period of record: Maximum discharge, 4,320 ft³/s (122 m³/s) June 25, 1957, gage height, 8.65 ft (2.637 m); minimum daily, 1.5 ft³/s (0.042 m³/s) Apr. 28, 29, 1957.
Maximum flood since at least 1826 occurred June 1, 1935, discharge, about 260,000 ft³/s (7,360 m³/s), from slope-area measurement near Bloomington.

REMARKS.--Records fair. Flow completely regulated by Harlan County Lake (see preceding page) and partially regulated by six upstream reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	10	11	11	12	7.1	9.4	14	1010	988	315
2	18	20	11	11	11	12	7.6	10	14	1000	877	349
3	17	19	11	12	11	12	6.7	9.7	14	1010	852	349
4	14	17	12	12	11	11	13	8.5	14	1010	851	287
5	14	12	12	12	10	11	7.6	8.6	12	1000	812	219
6	14	11	12	12	10	11	7.5	8.4	12	1000	750	209
7	14	11	12	12	11	11	8.2	8.5	12	1010	726	206
8	12	11	10	11	11	11	8.0	7.2	44	1020	723	161
9	9.6	11	11	11	11	11	6.9	7.8	26	1030	726	72
10	13	11	11	12	12	10	7.3	10	15	1030	726	21
11	13	11	11	9.0	12	9.8	7.3	9.0	13	975	702	20
12	13	11	11	8.5	11	10	7.2	9.0	11	912	651	18
13	14	11	11	9.0	11	10	8.8	9.0	10	916	630	19
14	14	11	12	10	10	10	8.2	9.0	10	913	458	18
15	14	11	11	10	10	9.8	8.6	9.0	10	917	306	18
16	13	11	11	11	9.5	9.8	8.6	9.0	10	923	301	19
17	14	11	10	12	9.5	10	7.8	9.0	35	927	300	18
18	14	12	10	13	10	10	9.4	10	181	929	281	17
19	14	12	11	13	10	11	8.3	10	36	934	265	15
20	14	12	11	13	11	11	8.2	10	10	931	263	15
21	14	12	12	13	11	10	8.2	10	11	965	257	15
22	14	12	11	14	11	9.8	8.0	10	42	930	257	15
23	14	12	11	13	11	8.2	8.6	10	11	822	260	15
24	14	12	10	13	11	9.3	9.3	10	8.3	704	260	14
25	14	12	10	13	12	7.9	9.2	10	8.4	792	302	14
26	14	11	10	10	12	7.8	9.2	80	241	862	345	15
27	14	11	10	9.9	12	7.9	15	180	985	862	345	15
28	14	11	11	13	12	9.6	11	180	1000	862	347	14
29	13	12	11	14	---	7.5	10	100	1010	862	348	13
30	21	10	11	11	---	7.0	10	14	1000	862	345	14
31	23	---	11	12	---	7.3	---	14	---	862	345	---
TOTAL	447.6	374	339	360.4	305.0	305.7	260.8	793.1	4819.7	28782	15495	2536
MEAN	14.4	12.5	10.9	11.6	10.9	9.86	8.69	25.6	161	929	500	84.5
MAX	23	23	12	14	12	12	15	180	1010	1030	988	349
MIN	9.6	10	10	8.5	9.5	7.0	6.7	7.2	8.3	704	257	13
AC-FT	888	742	672	715	605	606	517	1590	9560	57090	30730	5030

CAL YR 1974 TOTAL 101524.1 MEAN 278 MAX 985 MIN 6.7 AC-FT 201400
WTR YR 1975 TOTAL 54824.3 MEAN 150 MAX 1030 MIN 6.7 AC-FT 108700

06851000 Center Creek at Franklin, Nebr.

LOCATION.--Lat 40°06'12", long 98°58'45", in NW1/4NE1/4 sec.35, T.2 N., R.15 W., Franklin County, on right bank at downstream side of bridge on State Highway 136, 1 mi (2 km) northwest of Franklin and 3 mi (5 km) upstream from mouth.

DRAINAGE AREA.--177 mi² (460 km²), approximately, of which about 56 mi² (150 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--April 1948 to September 1956. Annual maximums and occasional low-flow measurements, water years 1961-68. October 1968 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,858.34 ft (566.422 m) above mean sea level (Bureau of Reclamation bench mark). Prior to Dec. 19, 1952, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 30.27 ft (9.226 m) lower and Dec. 19, 1952, to Sept. 30, 1956, at present site at datum 0.84 ft (0.256 m) higher. Sept. 7, 1961, to Sept. 30, 1968, crest-stage gage at present site and datum.

AVERAGE DISCHARGE.--15 years (1948-56, 1968-75), 7.06 ft³/s (0.200 m³/s), 5,110 acre-ft/yr (6.30 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 719 ft³/s (20.4 m³/s) June 18, gage height, 4.97 ft (1.515 m); minimum daily, 3.8 ft³/s (0.11 m³/s) Aug. 13.

Period of record: Maximum discharge, 3,150 ft³/s (89.2 m³/s) Sept. 20, 1950, gage height, 6.8 ft (2.07 m), from floodmark, site and datum then in use, from rating curve extended above 420 ft³/s (11.9 m³/s) on basis of slope-area measurement of peak flow; no flow at times during 1948-50.

REVISIONS.--Figures of maximum discharge for the water years 1971 and 1972 have been revised to 72 ft³/s (2.04 m³/s) Sept. 4, 1971, gage height, 3.09 ft (0.942 m) and 247 ft³/s (7.00 m³/s) June 18,1972, gage height, 3.48 ft (1.061 m), superseding figures published in WRD Nebr., 1971 and 1972.

REMARKS.--Records good except those for winter period, which are poor. Two small diversions above station for irrigation.

REVISIONS (WATER YEARS).--WSP 2119: 1963(M), 1965(M). WRD Nebr. 1974: Drainage area .

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.9	6.9	6.0	6.3	6.6	6.3	5.6	16	6.1	12	4.9
2	5.1	6.3	6.8	6.3	6.3	6.6	6.3	6.1	36	6.1	21	5.1
3	5.1	6.6	6.7	6.1	6.1	6.6	6.6	6.1	244	5.8	8.5	5.1
4	4.9	5.8	6.5	6.1	6.1	6.3	6.3	5.8	31	5.3	6.3	5.4
5	4.7	5.4	6.2	5.8	5.9	6.3	6.3	6.3	11	4.5	5.4	5.6
6	4.9	5.4	6.3	6.1	6.0	6.1	6.3	6.1	11	4.2	5.1	5.6
7	5.1	5.8	6.6	6.1	5.8	6.1	6.1	6.1	11	4.2	4.9	6.1
8	5.1	5.6	7.2	6.1	5.8	5.8	6.6	5.8	188	4.7	4.7	5.8
9	5.1	5.6	7.2	6.1	5.8	6.3	6.1	6.3	160	5.4	4.4	5.8
10	5.1	5.4	6.9	6.1	6.0	6.3	6.3	7.7	22	5.4	4.2	5.8
11	5.3	5.6	7.2	5.9	6.0	6.1	6.3	6.6	22	4.9	4.0	5.8
12	5.1	5.6	7.7	5.7	6.1	6.1	6.3	6.3	19	5.3	3.9	5.8
13	5.4	5.8	8.0	6.0	6.1	5.8	6.6	7.2	18	5.3	3.8	5.8
14	5.1	5.8	7.2	6.3	6.3	6.6	7.2	7.4	18	5.3	3.8	5.8
15	5.3	5.9	6.7	6.1	6.3	6.3	6.6	7.2	16	6.1	4.4	5.8
16	5.3	5.8	6.3	6.1	6.3	7.2	6.3	6.9	22	6.3	4.7	5.8
17	5.4	5.8	6.0	6.1	6.3	7.4	6.6	6.6	20	6.6	4.7	5.6
18	5.6	5.8	6.0	6.3	6.1	7.4	6.6	6.9	105	6.6	4.5	5.4
19	6.1	6.1	6.2	6.3	6.1	7.2	6.3	6.6	37	7.7	4.2	5.6
20	6.1	6.1	6.4	6.3	6.1	7.2	6.3	7.2	14	8.0	3.9	5.4
21	6.3	6.1	6.6	6.3	5.6	7.2	6.1	7.2	25	25	3.9	5.4
22	5.6	6.1	6.9	6.3	6.1	7.2	5.8	8.0	34	68	4.0	5.8
23	5.3	6.1	6.9	6.3	6.3	7.2	6.1	8.0	15	24	4.2	5.8
24	5.4	6.1	6.6	6.3	6.6	7.2	6.1	8.2	8.9	15	4.2	5.6
25	5.6	6.1	6.6	6.1	6.1	7.2	6.1	7.7	8.5	14	4.2	5.8
26	5.8	6.3	6.5	6.1	5.4	7.2	6.1	7.7	8.0	11	4.2	5.8
27	5.8	6.9	6.2	6.1	5.1	7.7	6.3	21	7.4	11	4.5	5.8
28	6.3	6.9	6.0	6.1	5.6	7.2	6.3	268	6.3	10	4.5	6.1
29	6.6	6.9	5.8	6.1	---	6.9	5.8	44	6.3	9.7	4.7	6.1
30	8.0	6.9	5.8	6.1	---	6.7	5.6	15	6.1	8.9	4.7	6.1
31	8.2	---	6.0	6.3	---	6.5	---	11	---	8.9	4.9	---
TOTAL	173.8	181.4	204.9	190.0	168.6	208.5	188.6	536.6	1146.5	319.3	166.5	170.3
MEAN	5.61	6.05	6.61	6.13	6.02	6.73	6.29	17.3	38.2	10.3	5.37	5.68
MAX	8.2	6.9	8.0	6.3	6.6	7.7	7.2	268	244	69	21	6.1
MIN	4.7	5.4	5.9	5.7	5.1	5.8	5.6	5.6	6.1	4.2	3.8	4.9
AC-FT	345	360	406	377	334	414	374	1060	2270	633	330	338

CAL YR 1974 TOTAL 2245.1 MEAN 6.15 MAX 23 MIN 2.8 AC-FT 4450
WTR YR 1975 TOTAL 3655.0 MEAN 10.0 MAX 268 MIN 3.8 AC-FT 7250

PEAK DISCHARGE (BASE, 35 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-28	1000	4.80	610	6-21	2030	3.27	114
6- 2	2000	4.87	652	7-21	0630	3.35	120
6- 8	2300	4.34	402	7-22	1430	3.14	87
6-18	0200	4.97	719				

06851500 Thompson Creek at Riverton, Nebr.

LOCATION.--Lat 40°05'21", long 98°45'38", in NW1/4NW1/4 sec.2, T.1 N., R.13 W., Franklin County, on left bank 8 ft (2 m) downstream from bridge on State Highway 136 at west edge of Riverton, 240 ft (73 m) upstream from Burlington Northern Inc. bridge, and 0.5 mi (0.8 km) upstream from mouth.

DRAINAGE AREA.--279 mi^2 (723 km^2), of which about 190 mi^2 (492 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--April 1948 to September 1956. Annual maximums, water years 1962-68 and occasional low-flow measurements, water years 1961-68. October 1968 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,753.38 ft (534.430 m) above mean sea level. Apr. 1 to Oct. 1, 1948, nonrecording gage 240 ft (73 m) downstream at datum 2.32 ft (0.707 m) higher. Oct. 1, 1948, to July 11, 1950, water-stage recorder at present site at datum 1.32 ft (0.402 m) higher and July 12, 1950, to Sept. 30, 1956, at present site and datum. Sept. 7, 1961, to Sept. 30, 1968, crest-stage gage at present site and datum.

AVERAGE DISCHARGE.--15 years (1948-56, 1968-75), 29.7 ft^3/s (0.841 m^3/s), 21,520 acre-ft/yr (26.5 hm^3/yr); median of yearly mean discharges, 26 ft^3/s (0.736 m^3/s), 18,800 acre-ft/yr (23.2 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,530 ft^3/s (71.6 m^3/s) May 28, gage height, 8.70 ft (2.652 m); minimum daily, 17 ft^3/s (0.48 m^3/s) Sept. 18-29.

Period of record: Maximum discharge, 12,200 ft^3/s (346 m^3/s) July 9, 1950, gage height, 13.22 ft (4.029 m), present datum, by slope-area measurement; minimum daily, 8.1 ft^3/s (0.23 m^3/s) Dec. 19, 1951.

REMARKS.--Records good. Natural flow affected by irrigation development above station.

REVISIONS.--WRD Nebr. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	21	22	21	22	22	21	21	23	21	27	18
2	18	21	22	21	22	21	22	21	24	20	47	18
3	18	23	21	21	22	21	22	22	303	20	29	19
4	18	21	21	21	22	21	21	21	126	20	28	19
5	19	21	21	21	23	21	21	21	28	23	24	19
6	19	20	22	21	22	21	22	21	20	28	20	19
7	19	21	22	21	19	21	24	21	19	23	21	18
8	19	20	21	21	20	21	24	21	703	20	21	20
9	18	21	21	21	21	21	23	20	395	21	21	18
10	19	21	21	20	21	21	23	23	82	21	20	18
11	18	20	21	20	21	21	23	22	32	20	19	18
12	19	20	22	21	21	21	23	21	28	20	19	18
13	19	20	22	21	22	21	24	22	27	21	20	18
14	19	21	22	21	22	20	25	22	40	22	24	18
15	19	21	22	21	22	21	24	21	40	26	25	18
16	19	21	22	21	22	22	24	21	33	26	19	18
17	19	21	21	21	22	24	24	20	28	26	19	18
18	19	21	21	22	22	22	25	20	388	24	19	17
19	19	21	21	22	21	22	24	20	83	23	19	17
20	19	21	21	22	21	22	24	20	28	21	18	17
21	19	21	21	22	21	22	24	20	55	28	18	17
22	19	21	21	22	21	21	24	21	614	70	19	17
23	20	22	21	22	21	21	23	21	88	43	18	17
24	20	22	21	22	23	20	23	21	61	35	19	17
25	19	22	21	22	24	20	23	20	41	23	18	17
26	20	22	21	22	22	22	24	20	30	22	19	17
27	20	22	21	22	22	23	28	21	25	21	19	17
28	21	22	21	22	22	22	22	1000	25	21	19	17
29	21	22	21	22	---	21	22	107	31	21	19	17
30	22	22	21	22	---	21	21	37	26	21	19	18
31	21	---	21	22	---	21	---	25	---	21	18	---
TOTAL	596	635	660	663	606	661	697	1734	3446	772	664	534
MEAN	19.2	21.2	21.3	21.4	21.6	21.3	23.2	55.9	115	24.9	21.4	17.8
MAX	22	23	22	22	24	24	28	1000	703	70	47	20
MIN	18	20	21	20	19	20	21	20	19	20	18	17
AC-FT	1180	1260	1310	1320	1200	1310	1380	3440	6840	1530	1320	1060

CAL YR 1974 TOTAL 8258 MEAN 22.6 MAX 211 MIN 17 AC-FT 16380
WTR YR 1975 TOTAL 11668 MEAN 32.0 MAX 1000 MIN 17 AC-FT 23140

PEAK DISCHARGE (BASE, 280 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-28	0930	8.70	2,530	6-18	1115	6.66	960
6-03	1630	5.86	490	6-22	0500	7.45	1,460
6-08	1430	7.85	1,760				

06852500 Courtland Canal at Nebraska-Kansas State line

LOCATION.--Lat 40°00'15", long 98°07'55", in SW1/4SE1/4 sec.32, T.1 N., R.7 W., Nuckolls County, Nebr., on left bank 0.2 mi (0.3 km) upstream from Nebraska-Kansas State line and 3.5 mi (5.6 km) southwest of Superior, Nebr.

PERIOD OF RECORD.--October 1954 to current year.

GAGE.--Water-stage recorder and concrete Parshall flume. Datum of gage is 1,612.46 ft (491.478 m) above mean sea level.

AVERAGE DISCHARGE.--21 years, 74.2 ft^3/s (2.101 m^3/s), 53,760 acre-ft/yr (66.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 717 ft^3/s (20.3 m^3/s) July 12, gage height, 4.90 ft (1.494 m); no flow for many days.
Period of record: Maximum discharge, 781 ft^3/s (22.1 m^3/s) Sept. 2, 1973, gage height, 5.05 ft (1.539 m); no flow for many days in each year.

REMARKS.--Records good. Canal diverts from Republican River at Courtland diversion dam in sec.7, T.1 N., R.9 W. Water is used for irrigation in Nebraska and Kansas; figures published herein represent that portion which flows into Kansas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	48	67	78	625	303
2							0	49	69	102	638	310
3							0	49	62	110	642	321
4							0	49	51	130	636	308
5							0	36	44	179	640	253
6							0	18	45	282	642	227
7							0	25	44	358	629	224
8							0	38	70	452	609	224
9							0	40	54	502	594	166
10							0	40	52	557	579	101
11							0	41	49	616	576	84
12							0	52	50	695	526	84
13							0	54	52	702	462	74
14							0	50	47	664	470	72
15							0	63	46	660	398	74
16							0	60	47	651	294	70
17							0	52	47	649	294	76
18							0	45	58	649	243	74
19							0	44	51	647	216	60
20							0	40	47	651	206	59
21							0	37	55	653	206	59
22							0	32	67	667	204	56
23							0	34	54	675	204	21
24							0	53	48	667	204	13
25							0	60	46	647	198	12
26							0	60	48	629	203	14
27							9.3	74	49	620	251	14
28							48	113	48	623	285	9.2
29					---		48	152	52	623	308	2.1
30					---		48	114	55	620	312	0
31		---			---		---	73	---	618	303	---
TOTAL	0	0	0	0	0	0	153.3	1695	1573	16376	12597	3364.3
MEAN	0	0	0	0	0	0	5.11	54.7	52.4	528	406	112
MAX	0	0	0	0	0	0	48	152	70	702	642	321
MIN	0	0	0	0	0	0	0	18	44	78	198	0
AC-FT	0	0	0	0	0	0	304	3360	3120	32480	24990	6670

CAL YR 1974 TOTAL 35360.90 MEAN 96.9 MAX 675 MIN 0 AC-FT 70140
WTR YR 1975 TOTAL 35758.60 MEAN 98.0 MAX 702 MIN 0 AC-FT 70930

06853000 Republican River near Guide Rock, Nebr.

LOCATION.--Lat 40°04'05", long 98°22'25", in SW1/4NE1/4 sec.7, T.1 N., R.9 W., Webster County, on left bank 300 ft (91 m) upstream from Willow Creek, 0.2 mi (0.3 km) downstream from Courtland diversion dam, and 2 mi (3 km) southwest of Guide Rock.

DRAINAGE AREA.--22,040 mi^2 (57,100 km^2), approximately, of which about 14,550 mi^2 (37,700 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--August 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,624.13 ft (495.035 m) above mean sea level. Prior to Oct. 1, 1959, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--25 years, 390 ft^3/s (11.04 m^3/s), 282,600 acre-ft/yr (0.349 km^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 2,610 ft^3/s (73.9 m^3/s) June 23, gage height, 13.61 ft (4.148 m); minimum daily, 0.90 ft^3/s (0.025 m^3/s) May 19,20.

Period of record: Maximum discharge, 29,200 ft^3/s (827 m^3/s) June 16, 1957, gage height, 20.73 ft (6.319 m), present datum; minimum daily, 0.1 ft^3/s (0.003 m^3/s) May 26, 1964.

Maximum flood since at least 1826 occurred June 1 or 2, 1935, discharge, about 250,000 ft^3/s (7,080 m^3/s), from slope-area measurements near Bloomington and Hardy.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow affected by irrigation development above station, by regulation of upstream reservoirs, and since Nov. 14, 1952, by storage in Harlan County Lake. (See sta 06849000.) Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	132	90	141	134	203	116	71	125	821	78	59
2	79	114	92	122	124	200	124	60	108	819	251	40
3	83	121	96	116	124	177	123	60	287	802	297	34
4	86	128	100	116	129	154	125	62	1590	729	154	74
5	87	131	110	128	80	150	127	31	496	685	131	137
6	88	123	128	129	85	150	124	6.1	279	573	105	90
7	90	118	120	129	100	146	128	10	207	489	59	47
8	94	117	90	126	100	140	138	5.2	457	387	24	20
9	94	116	99	120	95	132	140	4.0	1850	316	22	84
10	90	117	110	78	120	140	142	4.5	789	261	22	95
11	89	116	126	80	110	136	139	6.1	328	168	31	60
12	89	110	119	85	110	143	115	8.1	211	104	50	31
13	95	110	122	88	100	134	139	7.7	175	35	70	23
14	96	112	120	100	95	127	161	6.9	160	44	221	17
15	91	109	112	110	95	127	162	1.4	138	36	386	24
16	88	109	115	110	95	134	157	1.3	121	28	228	28
17	89	108	113	120	298	175	152	1.1	102	28	171	24
18	87	108	121	130	192	183	150	1.3	439	28	182	22
19	87	108	128	125	182	187	150	.90	1110	28	207	21
20	87	106	133	137	163	176	150	.90	382	73	165	16
21	93	106	127	120	126	149	145	1.1	226	78	108	13
22	94	106	134	138	128	138	141	1.8	947	334	59	43
23	95	108	128	128	140	136	135	1.5	1800	526	51	75
24	98	106	100	126	136	128	135	8.4	653	297	26	75
25	94	104	105	123	151	122	79	8.4	336	60	22	74
26	97	106	110	124	201	119	35	2.8	252	48	21	75
27	98	106	120	111	206	139	82	37	209	126	35	78
28	107	106	127	113	199	137	137	216	628	111	36	76
29	111	106	137	127	---	129	129	1150	864	62	40	78
30	114	100	140	116	---	124	88	444	885	34	72	81
31	123	---	130	126	---	122	---	211	---	27	68	---
TOTAL	2890	3367	3602	3642	3818	4557	3868	2431.50	16154	8153	3392	1614
MEAN	93.2	112	116	117	136	147	129	78.4	538	263	109	53.8
MAX	123	132	140	141	298	203	162	1150	1850	821	386	137
MIN	77	100	90	78	80	119	35	.90	102	27	21	13
AC-FT	5730	6680	7140	7220	7570	9040	7670	4820	32040	16170	6730	3200

CAL YR 1974 TOTAL 101212.00 MEAN 277 MAX 861 MIN 18 AC-FT 200800
WTR YR 1975 TOTAL 57488.50 MEAN 158 MAX 1850 MIN .90 AC-FT 114000

06853500 Republican River near Hardy, Nebr.

LOCATION.--Lat 40°00'01", long 97°54'55", in NE1/4NE1/4 sec.6, T.1 S., R.5 W., in Kansas, Republic County, at downstream side of highway bridge, 1.2 mi (1.9 km) southwest of Hardy and at mi 141.2 (227.2 km).

DRAINAGE AREA.--22,401 mi^2 (58,019 km^2), of which about 7,500 mi^2 (19,425 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1904 to September 1915 (no winter records), April 1931 to current year. Prior to May 1932, published as "at Bostwick." Records for June 1896 to November 1903 published as "near Superior" in 18th to 22nd Ann. Repts., inclusive, Pt. 4, and WSP 75, 84, and 99, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder. Datum of gage is 1,501.46 ft (457.645 m) above mean sea level. Prior to May 19, 1932, nonrecording gage at site at Bostwick, 20 mi (32 km) upstream at different datum.

AVERAGE DISCHARGE.--44 years (1913-14, 1932-75), 626 ft^3/s (17.73 m^3/s), 453,500 acre-ft/yr (0.559 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 5,360 ft^3/s (152 m^3/s) June 24, gage height, 10.22 ft (3.115 m); minimum, 38 ft^3/s (1.08 m^3/s) May 27.

Period of record: Maximum discharge, about 225,000 ft^3/s (6,370 m^3/s) June 2, 1935, gage height, 19.4 ft (5.91 m), based on records for stations upstream; no flow Aug. 9-19, 1934.

Maximum stages since at least 1895, that of June 2, 1935, and 17.00 ft (5.182 m) June 24, 1947, discharge, 100,000 ft^3/s (2,830 m^3/s), based on records for upstream stations.

REMARKS.--Records good except those for winter periods, which are poor. Natural flow affected by irrigation development above station and by storage in six reservoirs in Colorado and Nebraska. Considerable regulation since 1952 by Harlan County Reservoir. (See sta 06849000.)

REVISIONS (WATER YEARS).--WSP 806: Drainage area. WSP 1006: 1941. WSP 1340: 1905(M), 1907-9, 1912, 1914-15, 1931. See also PERIOD OF RECORD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	161	140	160	180	616	171	122	345	1170	116	113
2	93	164	138	161	180	377	168	106	310	1090	131	109
3	96	183	139	162	180	283	163	103	1560	1070	275	103
4	99	185	140	138	192	237	170	99	690	1040	358	87
5	100	182	154	133	150	213	174	98	1300	942	241	115
6	102	171	161	140	100	206	173	103	539	864	201	140
7	105	159	162	166	110	202	175	88	358	735	179	133
8	107	153	147	184	120	191	184	75	500	630	149	97
9	110	153	143	180	130	188	190	69	3130	508	111	85
10	111	160	136	150	140	189	182	66	1780	445	89	87
11	111	153	153	120	150	189	173	67	859	397	79	123
12	111	149	161	100	150	189	169	65	518	297	71	111
13	111	148	162	100	150	191	162	70	376	241	115	80
14	114	146	175	110	150	175	187	68	313	177	222	67
15	119	147	183	110	150	173	204	69	275	151	334	64
16	121	149	170	120	150	257	205	61	241	137	428	62
17	123	151	155	130	150	770	198	56	428	126	312	67
18	127	151	156	140	150	372	185	55	1600	112	239	65
19	126	152	158	160	130	295	184	53	1590	96	220	60
20	126	147	164	180	140	268	174	50	1100	104	226	56
21	130	144	155	180	150	248	175	47	618	130	192	52
22	134	145	177	180	160	217	166	45	3700	167	153	48
23	134	146	171	200	170	200	164	44	2590	431	119	51
24	135	146	157	210	180	189	158	44	3750	582	104	96
25	135	144	110	220	200	172	153	42	1150	383	84	99
26	135	146	101	235	386	169	132	48	699	190	75	100
27	134	147	114	225	537	184	89	39	524	140	76	102
28	142	147	152	210	799	199	174	65	444	171	81	106
29	156	145	166	174	---	190	169	504	939	160	98	105
30	156	146	153	178	---	175	171	1200	1150	139	93	107
31	163	---	149	180	---	178	---	581	---	118	106	---
TOTAL	3755	4620	4702	5036	5534	7702	5142	4202	33376	12933	5277	2690
MEAN	121	154	152	162	198	248	171	136	1113	417	170	89.7
MAX	163	185	183	235	799	770	205	1200	3750	1170	428	140
MIN	89	144	101	100	100	169	89	39	241	96	71	48
AC-FT	7450	9160	9330	9990	10980	15280	10200	8330	66200	25650	10470	5340

CAL YR 1974 TOTAL 120690 MEAN 331 MAX 950 MIN 41 AC-FT 239400
WTR YR 1975 TOTAL 94969 MEAN 260 MAX 3750 MIN 39 AC-FT 188400

PEAK DISCHARGE (REGULATED, ABOVE 2,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-09	0900	9.35	4,320	06-22	1600	10.08	5,200
06-18	2000	7.78	2,700	06-24	0600	10.22	5,360

06879900 Big Blue River at Surprise, Nebr.

LOCATION.--Lat 41°06'05", long 97°18'35", in NW1/4NW1/4 sec.15, T.13 N., R.1 E., Butler County, on left bank 50 ft (15 m) downstream from bridge on county road at south edge of Surprise.

DRAINAGE AREA.--345 mi² (894 km²).

PERIOD OF RECORD.--April 1964 to current year. Prior to October 1965, published as North Branch Big Blue River at Surprise.

GAGE.--Water-stage recorder and concrete broad-crested weir control. Altitude of gage is 1,520 ft (463 m), from topographic map.

AVERAGE DISCHARGE.--11 years, 29.3 ft³/s (0.830 m³/s), 21,230 acre-ft/yr (26.2 hm³/yr); median of yearly mean discharges, 22 ft³/s (0.623 m³/s), 15,900 acre-ft/yr (19.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,900 ft³/s (53.8 m³/s) June 23, gage height, 7.75 ft (2.362 m); no flow for many days.
Period of record: Maximum discharge, 10,700 ft³/s (303 m³/s) July 19, 1965, gage height, 11.52 ft (3.511 m); no flow for many days in most years.

REMARKS.--Records good above 5 ft³/s (0.14 m³/s) and poor below.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.08	.03	.01	.03	.18	.89	19	.46	10	6.2	.43
2	0	.03	0	.03	.03	.02	.73	14	.61	6.8	6.5	.31
3	0	.06	0	.06	0	0	.73	13	.55	5.7	6.8	.27
4	0	.06	0	.06	.08	.02	.54	8.6	.31	4.2	5.7	.83
5	0	.03	0	.10	.06	.15	.39	5.9	.41	3.7	4.8	.90
6	0	.03	.03	.21	.09	.19	.38	4.0	.25	3.1	6.3	.35
7	0	.03	.03	.22	.05	.23	.50	2.5	.18	2.8	5.2	.25
8	0	.01	0	.25	.06	.24	.84	1.5	43	3.0	3.7	.12
9	0	0	0	.32	.05	.28	.53	.82	133	3.0	3.2	.10
10	0	.01	0	.32	.06	.32	.44	.83	27	2.6	2.8	.06
11	0	.02	0	.10	.06	1.0	.42	1.4	12	3.0	1.7	.04
12	.06	.02	0	.05	.09	1.8	.61	.83	6.1	3.0	1.6	.03
13	.10	.05	0	.03	.10	1.4	.86	.93	5.8	3.1	8.1	.03
14	.10	.06	.10	.05	.06	.97	1.1	8.5	3.9	3.0	6.6	.02
15	.06	.06	.14	.02	.06	1.1	.84	3.0	2.4	4.6	5.7	0
16	.06	.08	.09	.03	.03	1.7	.61	1.6	1.8	5.4	4.7	0
17	.06	.14	.06	.06	.04	2.2	.54	1.1	1.9	5.4	3.1	.01
18	.03	.12	.04	.14	.01	2.8	.51	.90	368	7.0	1.9	.02
19	.03	.12	.03	.09	0	3.7	.49	1.3	582	6.4	1.5	0
20	.01	.10	.03	.06	0	4.1	.33	.43	466	14	1.2	0
21	.01	.10	.05	.08	.01	6.3	.53	.32	380	7.8	.82	0
22	.02	.13	.04	.03	.03	7.3	.44	.51	707	12	1.1	0
23	.03	.21	.04	.06	.06	5.6	2.5	.58	1330	7.9	1.6	0
24	.03	.22	.03	.07	.13	4.1	1.6	.33	876	9.6	2.6	0
25	.06	.18	.01	.07	.17	2.3	2.4	5.4	249	7.2	3.1	0
26	.06	.26	0	.07	.36	2.3	3.0	10	90	4.4	2.1	0
27	.11	.28	0	.04	.52	2.9	53	1.3	42	3.2	2.4	0
28	.11	.08	0	.02	.43	2.6	237	3.2	35	3.1	3.9	0
29	.32	.03	0	.04	---	1.7	103	1.7	30	3.9	3.3	0
30	.38	.03	0	.03	---	1.1	34	5.3	19	4.5	2.3	0
31	.26	---	0	.03	---	1.1	---	1.4	---	4.5	.89	---
TOTAL	1.90	2.63	.75	2.75	2.67	59.70	449.75	120.18	5413.67	167.9	111.41	3.77
MEAN	.061	.088	.024	.089	.095	1.93	15.0	3.88	180	5.42	3.59	.13
MAX	.38	.28	.14	.32	.52	7.3	237	19	1330	14	8.1	.90
MIN	0	0	0	.01	0	0	.33	.32	.18	2.6	.82	0
AC-FT	3.8	5.2	1.5	5.5	5.3	118	892	238	10740	333	221	7.5

CAL YR 1974 TOTAL 3605.62 MEAN 9.88 MAX 659 MIN 0 AC-FT 7150
WTR YR 1975 TOTAL 6337.08 MEAN 17.4 MAX 1330 MIN 0 AC-FT 12570

PEAK DISCHARGE (BASE, 250 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-28	1515	3.38	261	6-22	0930	4.74	770
6- 9	2315	3.83	483	6-23	0900	7.75	1,900
6-19	1900	4.38	646				

06879985 Coon Branch near Benedict, Nebr.

LOCATION.--Lat 40°58'26", long 97°41'02", in NE1/4NW1/4 sec.32, T.12 N., R.3 W., York County, at right downstream corner of county road bridge, 4.6 mi (7.4 km) southwest of Benedict.

DRAINAGE AREA.--4.5 mi² (11.7 km²).

PERIOD OF RECORD.--May to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 1,670 ft (509 m) above mean sea level, from topographic map.

EXTREMES.--Current year: Maximum discharge for period, 308 ft³/s (8.72 m³/s) June 18, gage height 7.41 ft (2.259 m); no flow for many days.

REMARKS.--Records poor. Natural flow of stream affected by groundwater withdrawals and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---		0	0	2.8	
2							---		36	0	1.6	
3							---		2.1	0	1.1	
4							---		.09	0	1.2	
5							---		.02	0	1.0	
6							---		.01	.50	1.1	
7							---		.01	.60	1.0	
8							---		7.4	.70	1.1	
9							---		1.0	.70	.83	
10							---		.04	.70	.71	
11							---		.02	.67	.52	
12							---		.78	.60	.58	
13							---		.04	.60	.54	
14							---		.02	.58	.44	
15							---		.01	.44	.30	
16							---		.01	.63	.32	
17							---		.01	.91	.20	
18							---		40	.88	.19	
19							---		.20	.68	.19	
20							---		.06	1.2	.14	
21							---		.05	.67	.08	
22							---		5.0	.88	.07	
23							---		.50	1.1	.07	
24							---		.10	.55	.04	
25							---		.02	.86	0	
26							---		0	.81	0	
27							---		0	1.2	0	
28							---		0	1.0	.01	
29							.01		0	1.7	0	
30							.01		0	2.0	0	
31							---		---	2.3	0	---
TOTAL								0	93.49	23.46	16.13	0
MEAN								0	3.12	.76	.52	0
MAX								0	40	2.3	2.8	0
MIN								0	0	0	0	0
AC-FT								0	185	47	32	0

06880000 Lincoln Creek near Seward, Nebr.

LOCATION.--Lat 40°54'57", long 97°08'43", in NW1/4NE1/4 sec.24, T.11 N., R.2 E., Seward County, on left bank 20 ft (6 m) downstream from county road bridge, 2 mi (3 km) west of Seward, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--446 mi² (1,155 km²).

PERIOD OF RECORD.--October 1953 to September 1973, March 1974 to current year. Monthly discharge only for some periods, published in WSP 1730.

GAGE.--Water-stage recorder. Datum of gage is 1,429.27 ft (435.641 m) above mean sea level.

AVERAGE DISCHARGE.--21 years, (1953-73, 1974-75) 45.2 ft³/s (1.280 m³/s), 32,750 acre-ft/yr (40.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 892 ft³/s (25.3 m³/s) June 23, gage height, 13.26 ft (4.042 m); minimum daily, 4.5 ft³/s (0.13 m³/s) Jan. 11.
Period of record: Maximum discharge, 10,100 ft³/s (286 m³/s) June 17, 1957, gage height, 20.53 ft (6.258 m); minimum daily, 1.3 ft³/s (0.037 m³/s) July 31, 1955.

REMARKS.--Records good except those for winter period, which are poor. Small diversions for irrigation above station. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 2119: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	7.9	5.4	6.6	6.0	10	15	99	30	38	18	15
2	5.4	6.6	5.4	6.6	6.2	10	17	55	18	31	19	13
3	5.4	7.3	5.2	6.4	6.4	9.6	19	45	13	26	23	12
4	6.6	7.4	5.6	7.0	6.2	12	15	33	12	22	25	12
5	5.8	7.3	5.8	8.0	6.0	14	13	29	186	17	27	13
6	6.0	7.0	6.2	8.4	5.8	13	13	23	115	15	28	12
7	6.3	6.8	5.6	8.8	6.0	13	13	19	46	15	24	11
8	6.0	7.0	5.0	9.2	5.8	13	15	16	29	11	24	10
9	6.0	7.1	5.4	10	5.4	12	15	14	382	13	25	9.2
10	5.8	7.3	5.8	7.6	5.8	12	14	13	418	15	28	8.7
11	6.0	7.0	5.8	4.5	6.6	13	14	22	153	18	24	8.3
12	6.3	6.6	5.6	6.4	6.4	13	13	47	77	21	23	7.3
13	5.7	7.3	5.4	7.8	6.4	12	13	31	49	28	23	6.0
14	6.0	7.0	5.6	7.4	6.8	11	13	20	35	26	23	5.9
15	6.3	7.0	5.6	7.6	7.0	13	13	22	27	23	24	5.5
16	6.3	6.6	5.2	8.0	7.6	15	13	16	23	27	29	5.7
17	6.5	6.5	4.8	8.2	8.0	14	12	12	19	29	24	5.6
18	6.0	6.8	5.2	8.6	7.6	15	13	11	201	27	19	5.5
19	6.2	6.8	5.2	7.0	7.4	17	13	13	462	21	23	5.3
20	5.7	6.6	5.2	7.2	7.2	22	12	11	404	25	22	5.3
21	6.0	6.5	5.0	6.8	8.0	20	12	10	417	47	19	5.3
22	6.2	6.3	5.6	6.8	9.0	19	13	9.5	512	48	14	5.4
23	6.5	6.3	5.4	7.0	8.6	18	64	10	729	37	9.0	5.4
24	6.3	6.3	5.2	7.2	9.0	17	82	10	614	55	9.4	5.6
25	6.3	6.2	5.2	7.6	9.6	17	66	9.6	439	41	9.6	5.6
26	6.2	6.2	5.6	7.0	9.4	18	60	10	284	29	9.4	5.6
27	6.5	6.3	5.8	6.8	9.2	17	64	9.4	126	28	9.4	5.4
28	6.8	6.0	6.0	6.4	11	16	217	11	108	25	12	5.3
29	7.3	5.6	6.0	6.0	---	15	451	20	75	21	16	5.2
30	7.4	5.2	5.8	5.4	---	16	247	13	50	16	18	5.0
31	7.8	---	6.6	5.6	---	17	---	16	---	14	16	---
TOTAL	192.6	200.8	171.2	223.9	204.4	453.6	1554	679.5	6053	809	616.8	230.1
MEAN	6.21	6.69	5.52	7.22	7.30	14.6	51.8	21.9	202	26.1	19.9	7.67
MAX	7.8	7.9	6.6	10	11	22	451	99	729	55	29	15
MIN	5.0	5.2	4.8	4.5	5.4	9.6	12	9.4	12	11	9.0	5.0
AC-FT	382	398	340	444	405	900	3080	1350	12010	1600	1220	456

WTR YR 1975 TOTAL 11388.9 MEAN 31.2 MAX 729 MIN 4.5 AC-FT 22590

PEAK DISCHARGE (BASE, 350 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-29	1030	10.67	500	6-19	0200	11.04	546
6- 9	1800	11.24	574	6-23	1400	13.26	892

06880500 Big Blue River at Seward, Nebr.

LOCATION.--Lat 40°54'05", long 97°05'55", in NW1/4NW1/4 sec.28, T.11 N., R.3 E., Seward County, at downstream end of left abutment of bridge on State Highway 15 at south edge of Seward, 0.5 mi (0.8 km) upstream from Plum Creek and 1.4 mi (2.3 km) downstream from Lincoln Creek.

DRAINAGE AREA.--1,101 mi² (2,852 km²).

PERIOD OF RECORD.--October 1953 to current year. Monthly discharge only for some periods, published in WSP 1730.

GAGE.--Water-stage recorder. Datum of gage is 1,415.16 ft (431.341 m) above mean sea level. Prior to Dec. 19, 1969, at site 1.2 mi (1.9 km) upstream at datum 6.33 ft (1.929 m) higher.

AVERAGE DISCHARGE.--22 years, 112 ft³/s (3.172 m³/s), 81,140 acre-ft/yr (0.100 km³/yr).

EXTREMES.--Current year: Maximum discharge, 1,990 ft³/s (56.4 m³/s) June 26, gage height, 18.20 ft (5.547 m); minimum daily, 7.8 ft³/s (0.22 m³/s) Oct. 4.

Period of record: Maximum discharge, 15,300 ft³/s (433 m³/s) June 18, 1957; maximum gage height, 22.83 ft (6.959 m) June 16, 1967, site and datum then in use; no flow July 30, 31, 1955, result of irrigation pumping.

REMARKS.--Records fair except those for winter period, which are poor. Natural flow of stream affected by ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

REVISIONS.--WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	18	13	15	18	33	54	363	60	109	21	23
2	7.9	16	13	17	19	32	39	169	46	87	25	21
3	7.9	22	13	16	20	30	43	115	48	69	30	20
4	7.8	24	14	17	19	35	39	79	42	54	31	20
5	8.7	20	14	18	18	40	47	85	160	43	29	19
6	8.5	17	14	17	17	40	41	79	163	38	33	19
7	8.5	16	14	18	18	39	64	58	68	35	31	16
8	8.3	15	16	19	17	38	72	47	44	29	31	16
9	8.4	15	16	20	16	40	62	42	270	25	28	14
10	8.6	15	16	15	20	44	66	43	695	25	32	13
11	8.1	15	17	12	20	45	61	47	402	29	32	13
12	8.9	15	16	14	19	40	46	70	155	31	27	12
13	8.2	14	15	16	19	35	39	60	104	39	30	11
14	8.4	14	16	15	20	32	41	50	68	37	29	10
15	9.1	14	18	16	20	33	41	52	51	34	35	10
16	9.5	14	17	17	21	35	38	39	44	34	42	9.7
17	9.5	13	17	18	21	44	42	32	35	37	38	9.5
18	10	13	17	18	20	71	38	31	189	34	30	9.7
19	10	13	16	16	18	127	33	32	1100	32	29	9.0
20	12	14	16	16	19	280	29	28	1190	45	29	8.8
21	12	14	15	15	21	374	31	24	1230	77	23	9.0
22	13	13	15	18	24	338	37	23	1330	97	18	8.3
23	13	13	14	20	23	216	126	24	1330	66	15	8.4
24	12	13	14	21	25	152	147	26	1520	71	16	8.8
25	13	13	14	22	27	82	100	20	1730	74	17	8.3
26	13	13	15	21	26	65	76	29	1940	57	16	8.1
27	14	13	15	20	28	67	78	33	1220	45	15	10
28	16	13	16	18	34	73	193	40	348	41	16	9.9
29	17	11	15	19	---	77	818	45	200	35	18	9.5
30	21	14	14	19	---	70	736	32	138	26	24	10
31	18	---	15	18	---	70	---	52	---	20	23	---
TOTAL	338.2	447	470	541	587	2697	3277	1869	15920	1475	813	374.0
MEAN	10.9	14.9	15.2	17.5	21.0	87.0	109	60.3	531	47.6	26.2	12.5
MAX	21	24	18	22	34	374	818	363	1940	109	42	23
MIN	7.8	11	13	12	16	30	29	20	35	20	15	8.1
AC-FT	671	887	932	1070	1160	5350	6500	3710	31580	2930	1610	742

CAL YR 1974 TOTAL 28532.5 MEAN 78.2 MAX 3060 MIN 7.3 AC-FT 56590
WTR YR 1975 TOTAL 28808.2 MEAN 78.9 MAX 1940 MIN 7.8 AC-FT 57140

PEAK DISCHARGE (BASE, 900 FT³/S).--Apr. 29 (1700) 966 ft³/s (11.16 ft); June 26 (0500) 1,990 ft³/s (18.20 ft).

06880800 West Fork Big Blue River near Dorchester, Nebr.

LOCATION.--Lat 40°43'52", long 97°10'38", in SW1/4SW1/4 sec.23, T.9 N., R.2 E., Seward County, on right bank 60 ft (18 m) downstream from bridge on county road, 6.2 mi (10.0 km) northwest of Dorchester, and 19 mi (31 km) upstream from mouth.

DRAINAGE AREA.--1,206 mi² (3,124 km²).

PERIOD OF RECORD.--August 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,403.48 ft (427.781 m) above mean sea level. Prior to Apr. 14, 1970, at site 60 ft (18 m) upstream at same datum.

AVERAGE DISCHARGE.--17 years, 177 ft³/s (5.013 m³/s), 128,200 acre-ft/yr (0.158 km³/yr).

EXTREMES.--Current year: Maximum discharge, 2,040 ft³/s (57.8 m³/s) June 10, gage height, 12.73 ft (3.880 m); minimum daily, 34 ft³/s (0.96 m³/s) Sept. 25.
Period of record: Maximum discharge, 11,400 ft³/s (323 m³/s) Mar. 20, 1969, gage height, 20.34 ft (6.200 m); minimum daily, 20 ft³/s (0.57 m³/s) July 7, 1970.
Flood of July 10, 1950, reached a stage of 24.8 ft (7.56 m), present datum, from floodmarks, discharge, 49,400 ft³/s (1,400 m³/s), from contracted-opening and flow-over-road measurement of peak flow.

REMARKS.--Records fair except those for winter period, which are poor. Some diversion by pumping for irrigation above station. Natural flow of stream affected by ground-water withdrawals for irrigation and return flow from irrigated areas. Records of chemical analyses for the water year 1975 are published in part 2 of this report.

REVISIONS.--WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	53	49	47	48	73	70	524	171	184	144	103
2	41	51	47	49	49	68	68	265	205	150	147	94
3	41	54	48	48	48	70	68	185	1130	130	164	92
4	41	55	48	47	49	92	76	135	542	112	157	93
5	43	54	49	50	48	98	75	112	166	102	160	92
6	45	60	49	52	52	104	76	101	195	105	188	88
7	44	62	49	54	58	105	77	94	323	101	186	83
8	42	59	47	50	54	106	84	90	398	94	161	77
9	41	58	48	47	52	102	85	85	1700	88	146	74
10	42	56	49	46	54	98	89	89	1520	93	163	69
11	42	56	50	46	52	89	85	85	732	96	158	64
12	42	56	50	47	54	82	80	93	612	108	132	59
13	45	56	50	48	52	78	79	104	481	117	122	55
14	44	56	52	49	54	76	81	91	406	113	124	51
15	44	56	50	50	56	80	82	81	270	108	120	48
16	45	56	45	48	58	81	80	76	202	114	121	46
17	45	56	41	50	62	97	76	74	186	118	139	45
18	44	56	46	62	62	126	74	74	379	118	139	43
19	44	56	45	50	60	148	76	70	318	120	125	42
20	44	55	46	48	68	203	75	66	305	146	113	40
21	46	55	46	52	70	202	74	64	438	154	94	38
22	46	56	47	50	56	191	74	65	864	212	82	37
23	46	56	48	54	47	178	85	68	1250	228	78	36
24	45	55	47	56	39	164	109	65	1110	283	81	35
25	45	53	45	56	52	129	103	65	1100	457	89	34
26	44	52	74	50	56	117	112	129	943	545	91	35
27	44	52	66	48	56	107	160	150	728	526	91	36
28	47	51	54	48	62	105	424	153	703	449	92	36
29	49	50	50	49	---	87	850	204	490	307	99	37
30	51	49	47	52	---	80	779	128	254	199	107	38
31	52	---	48	48	---	71	---	120	---	167	108	---
TOTAL	1374	1650	1530	1551	1528	3407	4326	3705	18121	5844	3921	1720
MEAN	44.3	55.0	49.4	50.0	54.6	110	144	120	604	189	126	57.3
MAX	52	62	74	62	70	203	850	524	1700	545	188	103
MIN	40	49	41	46	39	68	68	64	166	88	78	34
AC-FT	2730	3270	3030	3080	3030	6760	8580	7350	35940	11590	7780	3410

CAL YR 1974 TOTAL 39529 MEAN 108 MAX 774 MIN 40 AC-FT 78410
WTR YR 1975 TOTAL 48677 MEAN 133 MAX 1700 MIN 34 AC-FT 96550

PEAK DISCHARGE (BASE, 1,500 FT³/S).--June 10 (0400) 2,040 ft³/s (12.73 ft); June 23 (1530) 1,550 ft³/s (11.18 ft).

06881000 Big Blue River near Crete, Nebr.

LOCATION.--Lat 40°35'47", long 96°57'36", in SW1/4SE1/4 sec.3, T.7 N., R.4 E., Saline County, on downstream side of right pier of highway bridge, 1.8 mi (2.9 km) south of Missouri Pacific Railroad station in Crete, 3.3 mi (5.3 km) downstream from Walnut Creek, and 3.6 mi (5.8 km) upstream from Squaw Creek.

DRAINAGE AREA.--2,716 mi² (7,034 km²).

PERIOD OF RECORD.--March 1945 to current year. Prior to Oct. 1, 1953, discharge published only for stages above 12.0 ft because of variable backwater from dam downstream until 1952 and diurnal fluctuation from powerplant upstream in 1952-53.

GAGE.--Water-stage recorder. Datum of gage is 1,311.7 ft (399.81 m) above mean sea level. Prior to Jan. 20, 1954, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--22 years (1953-75), 351 ft³/s (9.940 m³/s), 254,300 acre-ft/yr (0.314 km³/yr).

EXTREMES.--Current year: Maximum discharge, 3,280 ft³/s (92.9 m³/s) June 24, gage height, 16.72 ft (5.096 m); minimum daily, 64 ft³/s (1.81 m³/s) Dec. 15.
Period of record: Maximum discharge, 27,600 ft³/s (782 m³/s) July 10, 1950, gage height, 28.74 ft (8.760 m); maximum gage height, 29.80 ft (9.083 m) June 16, 1967; minimum daily discharge, 13 ft³/s (0.37 m³/m) Oct. 28, 1956.

REMARKS.--Records good except those for winter period, which are poor. Natural flow of stream affected by ground-water and surface-water withdrawals for irrigation and return flow from irrigated areas. Records of chemical analyses, water temperatures, and fluvial sediments for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	106	91	102	86	128	240	1440	216	470	182	142
2	68	99	87	100	84	140	213	943	281	394	161	139
3	69	102	94	101	85	157	181	630	474	320	164	133
4	70	114	102	106	88	146	183	462	1220	274	188	137
5	70	111	101	94	90	150	181	344	553	222	175	151
6	78	105	99	90	90	172	178	292	330	199	178	133
7	76	104	97	92	100	184	199	273	409	189	189	124
8	73	106	72	96	94	204	215	237	484	172	191	118
9	71	103	85	98	80	184	227	212	959	157	177	109
10	72	105	106	94	84	171	228	196	2090	146	163	109
11	72	103	103	66	88	173	213	220	2010	144	175	104
12	72	103	100	80	88	165	199	235	1170	144	161	100
13	72	103	106	80	88	164	186	223	813	151	146	93
14	74	102	92	80	90	165	202	238	640	168	162	85
15	74	101	64	86	90	163	192	210	524	164	161	87
16	73	101	100	93	90	167	185	194	386	147	158	83
17	73	100	94	90	92	207	178	178	310	158	168	82
18	75	100	92	90	84	294	174	164	397	149	189	80
19	75	100	98	88	82	553	174	161	1030	154	177	79
20	75	99	96	86	88	895	163	149	1460	191	155	75
21	76	98	100	90	101	893	159	152	1800	215	141	74
22	76	99	113	86	106	832	155	154	2530	326	126	71
23	78	99	102	90	96	705	233	157	2670	394	113	72
24	79	98	102	92	98	549	319	147	3070	342	106	70
25	81	97	93	95	107	436	330	147	3020	384	108	69
26	80	96	100	96	115	318	269	147	2890	540	108	68
27	79	95	107	96	119	314	278	199	2920	576	109	68
28	84	95	110	92	120	366	403	276	1950	532	112	69
29	93	90	109	89	---	310	800	272	1040	440	120	69
30	96	82	108	86	---	272	1660	338	683	302	127	69
31	110	---	103	84	---	247	---	267	---	216	133	---
TOTAL	2381	3016	3026	2808	2623	9824	8517	9257	38329	8380	4723	2862
MEAN	76.8	101	97.6	90.6	93.7	317	284	299	1278	270	152	95.4
MAX	110	114	113	106	120	895	1660	1440	3070	576	191	151
MIN	67	82	64	66	80	128	155	147	216	144	106	68
AC-FT	4720	5980	6000	5570	5200	19490	16890	18360	76030	16620	9370	5680

CAL YR 1974 TOTAL 90903 MEAN 249 MAX 3340 MIN 64 AC-FT 180300
WTR YR 1975 TOTAL 95746 MEAN 262 MAX 3070 MIN 64 AC-FT 189900

PEAK DISCHARGE (BASE, 3,000 FT³/S).--June 24 (1700) 3,280 ft³/s (16.72 ft).

06881200 Turkey Creek near Wilber, Nebr.

LOCATION.--Lat 40°28'48", long 97°00'43", in NE1/4NE1/4 sec.19, T.6 N., R.4 E., Saline County, on left bank near downstream side of bridge on State Highway 41, 2.8 mi (4.5 km) west of Wilber.

DRAINAGE AREA.--460 mi^2 (1,191 km^2).

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,322.00 ft (402.946 m) above mean sea level (Nebraska Department of Highways bench mark). Prior to July 10, 1970, at site 0.2 mi (0.3 km) downstream at same datum.

AVERAGE DISCHARGE.--16 years, 82.3 ft^3/s (2.331 m^3/s), 59,630 acre-ft/yr (73.5 hm^3/yr): median of yearly mean discharges, 57 ft^3/s (1.614 m^3/s), 41,300 acre-ft/yr (50.9 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,010 ft^3/s (28.6 m^3/s) June 22, gage height, 11.70 ft (3.566 m); minimum daily, 0.38 ft^3/s (0.011 m^3/s) Oct. 1.
Period of record: Maximum discharge, 7,300 ft^3/s (207 m^3/s) Mar. 28, 1960, gage height, 14.92 ft (4.548 m) site then in use; maximum gage height, 17.92 ft (5.462 m) Oct. 12, 1973, from highwater mark. minimum daily, 0.10 ft^3/s (0.003 m^3/s) July 13-16, 1966.

REMARKS.--Records fair except those for winter period, which are poor. Many diversions above station for irrigation. Records of chemical analyses for the water year 1975 are published in Part 2 of this report.

REVISIONS.--WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.38	5.0	8.2	5.2	7.0	13	26	453	81	34	23	21
2	.50	4.8	6.8	5.4	6.6	12	21	166	75	29	23	20
3	1.2	4.2	5.8	4.9	6.2	10	19	134	435	27	21	20
4	.89	3.1	5.5	4.4	6.2	15	23	144	238	26	29	75
5	1.4	2.7	5.8	4.4	6.4	18	27	81	67	25	38	102
6	2.0	4.5	8.0	5.0	6.6	16	24	54	156	24	35	62
7	1.2	3.8	7.0	5.8	6.6	15	25	38	89	22	39	19
8	2.7	2.9	4.0	6.6	6.0	15	26	28	55	22	32	12
9	7.0	2.7	5.0	7.6	4.5	15	28	24	299	23	31	8.8
10	3.1	3.6	7.5	5.4	6.6	16	29	27	685	22	36	4.6
11	1.7	4.2	7.5	3.0	7.2	15	24	33	413	27	33	1.6
12	1.5	6.0	7.6	1.6	6.8	14	22	74	288	29	31	.95
13	1.7	8.2	7.0	2.5	6.6	14	22	190	174	29	30	.76
14	1.3	6.8	5.6	3.1	6.8	13	27	70	86	32	33	1.1
15	1.2	7.0	6.0	3.1	7.0	16	30	37	54	31	84	1.8
16	1.5	8.0	5.8	3.2	7.2	22	28	28	38	28	155	1.5
17	1.7	7.5	5.0	4.0	7.4	33	24	24	31	27	130	1.5
18	2.7	7.8	6.2	9.0	7.2	83	22	21	61	27	88	1.5
19	2.7	9.5	6.8	5.4	6.8	262	22	20	332	27	50	1.4
20	6.2	9.0	6.6	5.4	7.4	546	22	19	106	33	31	1.2
21	5.0	9.2	6.4	5.2	6.0	594	22	18	202	34	24	1.2
22	1.8	10	7.2	5.0	3.5	367	21	17	931	73	19	.84
23	2.7	10	5.6	8.2	4.0	202	48	17	730	201	17	.79
24	2.9	11	4.6	8.6	6.0	121	144	17	557	509	15	.76
25	3.3	11	3.7	8.8	7.0	80	136	17	631	565	14	.99
26	4.0	11	3.9	8.8	8.0	47	141	34	411	270	13	.98
27	3.1	12	4.2	8.6	8.8	42	118	48	202	126	13	.69
28	3.1	12	4.1	8.4	10	65	145	49	88	73	16	.60
29	3.6	9.5	3.9	8.0	---	67	163	49	61	42	18	.67
30	5.2	7.8	3.9	7.6	---	39	357	78	44	29	19	.60
31	5.8	---	5.4	7.2	---	30	---	69	---	25	22	---
TOTAL	83.07	214.8	180.6	179.4	186.4	2817	1786	2078	7620	2491	1162	365.83
MEAN	2.68	7.16	5.83	5.79	6.66	90.9	59.5	67.0	254	80.4	37.5	12.2
MAX	7.0	12	8.2	9.0	10	594	357	453	931	565	155	102
MIN	.38	2.7	3.7	1.6	3.5	10	19	17	31	22	13	.60
AC-FT	165	426	358	356	370	5590	3540	4120	15110	4940	2300	726

CAL YR 1974 TOTAL 14534.33 MEAN 39.8 MAX 706 MIN .34 AC-FT 28830
WTR YR 1975 TOTAL 19164.10 MEAN 52.5 MAX 931 MIN .38 AC-FT 38010

PEAK DISCHARGE (BASE, 1,000 FT^3/S).--June 22 (1030) 1,010 ft^3/s (11.70 ft).

06881500 Big Blue River at Beatrice Nebr.

LOCATION.--Lat 40°15'22", long 96°44'47", in SW1/4NW1/4 sec.3, T.3 N., R.6 E., Gage County, at left upstream corner of 6th Street and U.S. Highway 77 bridge in Beatrice, 0.7 mi (1.1 km) south of the intersection of U.S. Highways 136 and 77, 1.2 mi (1.9 km) downstream from Indian Creek, and 3.1 mi (5.0 km) upstream from Bear Creek.

DRAINAGE AREA.--3,900 mi^2 (10,101 km^2).

PERIOD OF RECORD.--October 1910 to September 1915, (monthly discharge only for some periods , published in WSP 1310), 1954, 1960-65, 1967-69, 1971-74 (discharge measurements only), 1974 to current year. Gage-height records collected 1905-1910, 1916-1974 are in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 1,219.90 ft (371.826 m) (corrected) above mean sea level. October 1910 to September 1915 non-recording gage at present site and datum.

EXTREMES.--Current year: Maximum discharge, 4,640 ft^3/s (131 m^3/s) June 23, gage height, 10.93 ft (3.331 m); minimum daily, 84 ft^3/s (2.38 m^3/s) Oct. 16, Dec. 8, Sept. 27.

Period of record: Maximum discharge, 33,000 ft^3/s (935 m^3/s) July 23, 1911, not previously published; gage height, 26.00 ft (7.925 m); minimum daily known, 62 ft^3/s (1.76 m^3/s) Oct. 12, 16, 1913. The maximum discharge since 1902, 49,100 ft^3/s (1,390 m^3/s) October 12, 1973, gage height, 33.02 ft (10.064 m), from floodmark.

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	138	94	130	114	170	334	1850	708	870	360	154
2	93	148	98	130	110	180	309	1800	868	624	312	159
3	96	138	90	125	114	200	290	1130	2180	502	277	157
4	99	138	108	125	120	190	269	1190	2650	424	238	172
5	99	134	114	120	125	195	255	765	1910	368	234	273
6	105	145	116	118	118	205	257	553	946	316	246	299
7	96	138	110	120	114	220	263	443	597	281	242	242
8	102	134	84	122	120	245	276	390	785	246	246	188
9	105	138	108	125	108	235	280	353	2710	233	255	166
10	102	145	135	108	104	210	298	321	2140	210	259	148
11	99	152	130	94	114	225	303	330	3200	199	246	134
12	99	138	125	98	114	210	289	438	2790	184	238	128
13	99	131	130	114	114	190	281	481	1700	181	260	124
14	99	138	120	130	116	170	273	467	1130	187	297	118
15	105	131	106	140	118	195	275	387	825	189	285	108
16	84	134	124	145	120	210	285	331	670	200	295	105
17	87	128	120	135	120	484	276	286	516	188	326	105
18	87	125	120	130	120	1330	258	265	454	174	311	105
19	93	124	124	135	114	1550	251	247	529	170	295	102
20	90	120	122	125	120	1730	241	232	1470	199	258	96
21	90	120	135	130	125	2100	242	220	1680	236	217	96
22	102	120	140	125	135	1860	234	222	2350	378	193	93
23	108	124	130	130	125	1430	266	207	4250	806	175	90
24	99	125	120	130	130	1060	409	213	4050	962	156	87
25	112	116	114	130	135	771	611	217	3940	1080	149	87
26	112	120	120	135	140	597	536	255	3930	1090	133	87
27	108	114	135	135	150	508	503	233	3560	972	137	84
28	108	114	145	130	160	463	620	957	3340	915	138	87
29	131	112	140	120	---	531	729	859	2270	827	138	93
30	148	106	140	120	---	487	908	1180	1260	635	145	90
31	138	---	135	116	---	390	---	1360	---	492	145	---
TOTAL	3194	3888	3732	3870	3417	18541	10621	18182	59408	14338	7206	3977
MEAN	103	130	120	125	122	598	354	587	1980	463	232	133
MAX	148	152	145	145	160	2100	908	1850	4250	1090	360	299
MIN	84	106	84	94	104	170	234	207	454	170	133	84
AC-FT	6340	7710	7400	7680	6780	36780	21070	36060	117800	28440	14290	7890

WTR YR 1975 TOTAL 150374 MEAN 412 MAX 4250 MIN 84 AC-FT 298300

PEAK DISCHARGE (BASE, 4,000 FT^3/S).--June 23 (2000) 4,640 ft^3/s (10.93 ft).

06882000 Big Blue River at Barneston, Nebr.

LOCATION.--Lat 40°03'11", long 96°35'16", in SE1/4NW1/4 sec.13, T.1 N., R.7 E., Gage County, near left bank in tailrace of powerplant, 0.8 mi (1.3 km) northwest of Barneston, 2 mi (3 km) upstream from Plum Creek, and 5 mi (8 km) upstream from Nebraska-Kansas State line.

DRAINAGE AREA.--4,444 mi² (11,510 km²).

PERIOD OF RECORD.--May 1932 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,164.2 ft (354.85 m) above mean sea level. Prior to June 9, 1941, water-stage recorder at site 1 mi (2 km) downstream at datum 0.44 ft (0.134 m) lower. June 9 to Nov. 17, 1941, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--43 years, 774 ft³/s (21.92 m³/s), 560,800 acre-ft/yr (0.691 km³/yr).

EXTREMES.--Current year: Maximum discharge, 9,030 ft³/s (256 m³/s) June 3, gage height, 14.13 ft (4.307 m); minimum daily, 73 ft³/s (2.07 m³/s) Dec. 6.
Period of record: Maximum discharge, 57,700 ft³/s (1,630 m³/s) June 9, 1941, gage height, 34.3 ft (10.45 m); minimum daily, 1 ft³/s (0.028 m³/s) Nov. 30, 1945.

REMARKS.--Records fair. Low flow regulated by powerplant at Barneston, which has pondage of about 1,500 acre-ft (1.85 hm³). No large tributaries between station and Nebraska-Kansas State line. Some pump diversions for irrigation above station. Natural flow of stream affected by ground-water withdrawals for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 896: 1932, 1935. WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	108	99	88	75	1370	370	2020	1320	1300	333	164
2	96	150	96	92	81	1110	390	2590	2450	960	358	324
3	99	123	86	258	274	798	387	1780	6280	700	125	158
4	97	293	102	87	88	665	423	1340	4120	540	403	343
5	96	100	250	89	310	639	346	1190	2900	450	146	141
6	95	125	73	222	100	468	395	845	1700	340	348	418
7	115	117	96	86	398	496	338	883	964	382	108	172
8	110	301	111	281	98	532	404	467	724	137	123	427
9	100	100	257	83	155	359	400	172	3120	432	347	146
10	255	100	76	117	412	504	336	548	2920	129	133	336
11	125	103	78	184	86	293	444	621	3610	350	349	122
12	99	129	260	101	316	504	352	639	3300	114	137	129
13	99	215	82	100	84	304	384	606	2300	118	274	129
14	100	97	117	336	293	271	371	673	1700	302	149	124
15	119	97	275	81	82	274	388	625	1200	135	462	121
16	90	142	84	82	108	366	410	527	940	126	171	119
17	91	120	264	261	518	746	431	435	740	336	446	129
18	91	289	86	78	84	2110	330	210	600	118	330	118
19	80	103	95	94	369	2270	381	555	560	122	185	105
20	80	103	282	291	82	2090	402	183	1700	143	389	103
21	80	105	89	223	88	2290	154	524	2300	375	312	100
22	80	125	110	82	338	2100	434	193	3200	1760	132	102
23	97	130	340	104	86	1760	393	432	5000	2430	139	97
24	116	260	91	318	118	1290	448	200	4500	1720	146	97
25	111	99	93	75	335	948	531	252	4400	1380	277	97
26	96	100	256	85	86	701	466	593	4300	1100	139	97
27	98	117	89	273	366	990	679	418	4100	869	141	95
28	138	103	94	90	505	1220	661	717	3900	769	143	93
29	136	109	262	235	---	692	660	1540	3300	716	144	104
30	140	231	90	90	---	717	1100	3240	2200	661	148	95
31	234	---	277	288	---	561	---	2710	---	443	152	---
TOTAL	3454	4294	4660	4874	5935	29438	13208	27728	80348	19457	7189	4805
MEAN	111	143	150	157	212	950	440	894	2678	628	232	160
MAX	255	301	340	336	518	2290	1100	3240	6280	2430	462	427
MIN	80	97	73	75	75	271	154	172	560	114	108	93
AC-FT	6850	8520	9240	9670	11770	58390	26200	55000	159400	38590	14260	9530

CAL YR 1974 TOTAL 173696 MEAN 476 MAX 4040 MIN 73 AC-FT 344500
WTR YR 1975 TOTAL 205390 MEAN 563 MAX 6280 MIN 73 AC-FT 407400

PEAK DISCHARGE (BASE, 10,000 FT³/S).--No peak above base.

06883000 Little Blue River near Deweese, Nebr.

LOCATION.--Lat 40°19'58", long 98°04'00", in SW1/4NW1/4 sec.12, T.4 N., R.7 W., Nuckolls County, on right bank 10 ft (3 m) downstream from bridge on State Highway 14, 1 mi (2 km) upstream from Walnut Creek, 3.2 mi (5.1 km) southeast of Deweese, and 6 mi (10 km) northwest of Angus.

DRAINAGE AREA.--979 mi² (2,536 km²).

PERIOD OF RECORD.--February 1953 to September 1972; Oct. 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,632.67 ft (497.638 m) above mean sea level. Prior to May 16, 1957, non-recording gage at present site and datum; May 16, 1957, to Sept. 30, 1972, at site 1,500 ft (460 m) upstream at present datum.

AVERAGE DISCHARGE.--20 years, 150 ft³/s (4.248 m³/s) (108,700 acre-ft/yr (0.134 km³/yr)); median of yearly mean discharges, 120 ft³/s (3.398 m³/s) (86,900 acre-ft/yr (0.107 km³/yr)).

EXTREMES.--Current year: Maximum discharge, 6,240 ft³/s (177 m³/s) July 22, gage height, 11.30 ft (3.444 m); minimum daily, 32 ft³/s (0.91 m³/s) Feb. 9.

Period of record: Maximum discharge, 25,100 ft³/s (711 m³/s) Aug. 31, 1969, gage height, 18.57 ft (5.660 m), at previous site; minimum daily, 6.4 ft³/s (0.18 m³/s) Aug. 9, 1970.

Flood of June 26, 1951, reached a stage of 14.9 ft (4.54 m), from information by local residents, discharge, 16,000 ft³/s (453 m³/s), based on records for former station at Angus.

REMARKS.--Records poor prior to July 8 and good thereafter. Natural flow affected by irrigation development above station.

REVISONS.--WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	64	52	52	37	195	75	105	192	133	151	61
2	43	68	50	54	39	192	73	99	459	107	187	52
3	45	76	48	52	42	143	72	94	1960	101	227	47
4	47	68	54	50	44	114	72	90	1310	94	170	42
5	46	62	58	45	37	99	72	87	594	93	135	57
6	45	58	56	46	34	96	73	84	193	93	123	62
7	46	54	52	48	33	93	73	80	107	91	120	53
8	48	52	46	52	34	91	73	77	399	83	111	41
9	50	54	44	56	32	94	75	76	1840	87	104	36
10	52	54	52	48	33	87	72	76	1260	96	104	33
11	52	52	64	37	40	83	71	73	638	92	107	33
12	52	50	57	42	39	85	73	73	494	102	103	34
13	50	50	54	50	38	80	75	73	424	98	106	34
14	46	51	50	58	40	78	75	73	325	89	140	35
15	47	52	49	56	41	88	75	71	240	91	144	37
16	49	52	50	62	43	156	73	71	143	83	121	40
17	50	54	52	62	50	269	72	70	105	93	97	41
18	47	54	54	64	58	286	72	69	382	86	92	40
19	47	54	52	64	50	233	73	69	1250	90	72	39
20	48	54	56	58	56	169	73	67	938	137	64	38
21	49	54	52	60	64	152	72	67	526	148	60	39
22	48	56	56	58	72	107	73	69	3930	4860	67	39
23	50	56	56	58	66	91	474	67	2670	4750	76	41
24	52	56	50	60	72	87	537	67	1450	2050	79	39
25	52	56	45	62	88	85	240	65	670	837	72	40
26	54	56	43	66	102	88	129	65	454	471	63	41
27	56	56	60	70	129	93	172	67	298	330	74	42
28	60	54	56	60	149	87	194	693	221	260	79	44
29	56	54	54	52	---	81	147	1070	192	195	82	47
30	70	52	52	47	---	76	114	762	149	149	74	47
31	68	---	50	42	---	75	---	418	---	139	73	---
TOTAL	1577	1683	1624	1691	1562	3753	3614	4987	23813	16117	3267	1274
MEAN	50.9	56.1	52.4	54.5	55.8	121	120	161	794	520	105	42.5
MAX	70	76	64	70	149	286	537	1070	3930	4860	227	62
MIN	43	50	43	37	32	75	71	65	105	83	60	33
AC-FT	3130	3340	3220	3350	3100	7440	7170	9890	47230	31970	6480	2530

WTR YR 1975 TOTAL 64962 MEAN 178 MAX 4860 MIN 32 AC-FT 128900

PEAK DISCHARGE (BASE, 1,500 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 3	1130	7.35	2,480	6-22	1200	9.82	4,770
6- 9	0800	6.56	2,020	7-22	1900	11.30	6,240

NOTE.--No gage-height record Oct. 1 to Feb 25.

06883575 Little Blue River near Alexandria, Nebr.

LOCATION.--Lat 40°12'27",long 97°23'23", in SE1/4SE1/4 sec.23, T.3N.,R.1W., Thayer County, on left bank 750 ft (229 m) upstream from bridge on State Highway 76, 2.7 mi (4.3 km) south of Alexandria, 9.8 mi (15.8 km) downstream from Dry Creek, and 5.7 mi (9.2 km) upstream from Big Sandy Creek.

DRAINAGE AREA.--1,557 mi^2 (4,033 km^2).

PERIOD OF RECORD.--July 1959 to September 1972 (published as "near Gilead"), May 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,359.29 ft (414.312 m) above mean sea level. July 1959 to Sept. 30, 1972 at site 2.3 mi (3.7 km) upstream at datum 12.0 ft (3.66 m) higher.

AVERAGE DISCHARGE.--14 years (1959-72, 1974-75), 238 ft^3/s (6.740 m^3/s), 172,400 acre-ft/yr (0.213 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 8,410 ft^3/s (238 m^3/s) June 23, gage height, 16.74 ft (5.102 m); minimum daily, 38 ft^3/s (1.08 m^3/s) Feb. 9.

Period of record: Maximum discharge, 25,600 ft^3/s (725 m^3/s) Mar. 28, 1960, gage height, 17.30 ft (5.273 m), site and datum then in use; minimum daily, 13 ft^3/s (0.37 m^3/s) Aug. 5, 1964.

REMARKS.--Records good except those for winter period, which are poor. Natural flow affected by irrigation development above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	84	78	62	47	1710	124	152	508	284	265	85
2	51	84	70	64	50	1110	124	141	352	257	268	79
3	52	93	66	62	52	431	124	137	1790	240	295	73
4	56	97	82	60	54	281	133	116	3350	218	290	86
5	55	89	96	54	45	209	127	113	1620	209	280	98
6	58	78	88	56	41	196	124	106	720	200	260	83
7	55	77	88	58	40	175	126	99	394	193	240	74
8	57	76	68	62	41	155	133	96	373	186	220	73
9	60	77	62	68	38	148	127	94	2140	174	200	68
10	64	78	78	58	40	130	124	93	2830	178	180	63
11	66	78	98	47	50	140	118	109	1510	170	160	60
12	65	76	91	52	48	138	114	96	795	165	150	60
13	65	76	87	62	46	124	118	93	501	165	211	59
14	66	76	80	68	48	114	129	93	369	172	396	58
15	58	76	70	66	52	123	126	93	292	158	330	59
16	62	78	72	70	54	177	126	92	250	152	219	58
17	67	80	76	70	60	1190	124	90	225	151	183	58
18	69	78	82	72	70	1220	124	88	494	141	154	57
19	62	78	80	72	60	580	127	88	1380	139	137	57
20	63	78	86	68	68	388	122	90	1630	262	118	56
21	66	79	78	70	74	283	126	92	1330	199	103	55
22	65	80	84	68	84	232	124	92	2460	2140	93	52
23	67	80	82	68	80	204	127	92	6660	3980	86	52
24	68	80	80	74	84	172	250	88	5050	4620	84	52
25	69	79	58	76	98	152	432	90	1900	2110	84	52
26	70	78	50	78	110	146	355	98	943	1130	83	54
27	72	78	54	80	145	152	253	87	646	730	84	55
28	76	78	66	70	240	137	235	245	460	528	98	55
29	79	76	64	62	---	131	310	905	357	408	84	56
30	80	74	62	58	---	126	211	1450	307	343	83	57
31	88	---	60	52	---	129	---	960	---	295	86	---
TOTAL	2002	2389	2336	2007	1919	10603	4917	6278	41636	20297	5524	1904
MEAN	64.6	79.6	75.4	64.7	68.5	342	164	203	1388	655	178	63.5
MAX	88	97	98	80	240	1710	432	1450	6660	4620	396	98
MIN	51	74	50	47	38	114	114	87	225	139	83	52
AC-FT	3970	4740	4630	3980	3810	21030	9750	12450	82580	40260	10960	3780

WTR YR 1975 TOTAL 101812 MEAN 279 MAX 6660 MIN 38 AC-FT 201900

PEAK DISCHARGE (BASE, 2,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 4	0400	13.09	4,040	6-23	2130	16.74	8,410
6- 9	2400	12.55	3,540	7-24	1300	14.15	5,100

06884000 Little Blue River near Fairbury, Nebr.

LOCATION.--Lat 40°06'54", long 97°10'13", in NW1/4NE1/4 sec.26, T.2 N., R.2 E., Jefferson County, on right bank 20 ft (6 m) downstream from bridge on State Highway 15, 0.8 mi (1.3 km) south of Fairbury, and 5.2 mi (8.4 km) upstream from Rose Creek.

DRAINAGE AREA.--2,350 mi² (6,087 km²).

PERIOD OF RECORD.--May 1908 to September 1915, October 1928 to September 1956 (published as "near Endicott"), October 1956 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,282.19 ft (390.812 m) above mean sea level. May 23, 1908, to Sept. 30, 1915, nonrecording gage at present site at different datum. Apr. 26, 1929, to Sept. 24, 1957, nonrecording gage or water-stage recorder at site 3.5 mi (5.6 km) downstream at various datums.

AVERAGE DISCHARGE.--54 years, 371 ft³/s (10.51 m³/s), 268,800 acre-ft/yr (0.331 km³/yr).

EXTREMES.--Current year: Maximum discharge, 8,480 ft³/s (240 m³/s) June 24, gage height 10.61 ft (3.234 m); minimum daily, 44 ft³/s (1.25 m³/s) Sept. 25.

Period of record: Maximum discharge, 37,800 ft³/s (1,070 m³/s) Oct. 12, 1973; gage height, 18.96 ft (5.779 m) Oct. 12, 1973; minimum daily discharge, 14 ft³/s (0.40 m³/s) Nov. 22, 1929, discharge measurement.

REMARKS.--Records fair except those for winter period, which are poor. Some regulation at low stage by powerplants above station. Natural flow of stream affected by ground-water withdrawals for irrigation and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 1086: 1941(M). WSP 1390: 1908(M), 1912, 1915, 1935, 1939, 1945(M). WSP 1510: 1947 (calendar year figures only). WSP 1919: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	112	111	102	100	2230	175	436	691	392	390	175
2	77	111	107	104	108	2250	163	336	929	348	420	155
3	79	118	102	102	112	1210	161	464	2420	319	459	148
4	80	121	111	96	116	747	169	278	3810	289	430	141
5	81	118	133	90	106	518	165	234	2180	276	420	229
6	86	114	135	94	86	431	162	217	1140	273	392	193
7	80	115	130	98	82	386	170	204	695	264	350	154
8	81	111	95	104	84	333	176	187	546	267	336	126
9	86	114	94	110	78	279	164	182	2320	259	327	118
10	87	116	114	100	82	246	160	176	3590	255	312	113
11	88	114	129	84	96	237	149	248	2230	245	288	103
12	86	111	132	94	94	225	151	290	1260	236	267	93
13	87	112	129	112	88	195	155	218	736	226	303	88
14	87	109	117	115	94	178	169	188	506	231	550	85
15	84	108	112	114	96	178	164	168	414	239	615	82
16	87	112	116	126	100	270	163	160	349	231	480	83
17	90	113	118	123	104	1650	166	153	298	232	368	85
18	91	114	119	128	112	2370	166	151	516	226	291	87
19	88	115	117	128	104	1800	163	146	1440	229	237	87
20	87	115	120	122	108	1210	158	148	1700	281	201	84
21	79	115	109	122	114	747	165	145	1280	618	179	80
22	91	118	126	120	130	454	160	141	2270	3860	163	103
23	80	117	122	121	120	344	192	138	5730	7700	165	82
24	91	114	108	133	130	272	308	133	7080	7500	184	78
25	94	112	80	137	146	235	452	128	3350	4460	185	44
26	97	115	79	138	160	207	429	155	1470	2290	190	70
27	97	114	102	139	175	230	401	154	953	1340	198	80
28	101	114	104	128	303	214	466	221	714	1010	243	84
29	109	111	106	120	---	205	529	586	555	760	228	82
30	114	104	102	116	---	195	551	1210	456	582	202	82
31	115	---	100	108	---	191	---	1140	---	440	193	---
TOTAL	2758	3407	3479	3528	3228	20237	6922	8735	51628	35878	9566	3214
MEAN	89.0	114	112	114	115	653	231	282	1721	1157	309	107
MAX	115	121	135	139	303	2370	551	1210	7080	7700	615	229
MIN	77	104	79	84	78	178	149	128	298	226	163	44
AC-FT	5470	6760	6900	7000	6400	40140	13730	17330	102400	71160	18970	6370

CAL YR 1974 TOTAL 88477 MEAN 242 MAX 2100 MIN 76 AC-FT 175500
WTR YR 1975 TOTAL 152580 MEAN 418 MAX 7700 MIN 44 AC-FT 302600

PEAK DISCHARGE (BASE, 3,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6- 4	1000	7.28	4,180	6-24	0800	10.61	8,480
6-10	0630	6.94	3,850	7-23	1330	10.19	7,870

06884025 Little Blue River at Hollenberg, Kans.

LOCATION.--Lat 39°58'48",long 97°00'16", NE1/4SW1/4 sec.8, T.1S., R.4E., Washington County, on right bank and 2 ft (1 m) downstream from bridge on county road, 0.6 mi (1.0 km) west of Hollenberg, Kans., and 1.75 mi (2.82 km) downstream from Nebraska-Kansas State line.

DRAINAGE AREA.--2,752 mi² (7,128 km²).

PERIOD OF RECORD.--March 1973 to February 1974 (discharge measurements only), March 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,216.10 ft (370.667 m) above mean sea level.

EXTREMES.--Maximum discharge, 9,920 ft³/s (281 m³/s) June 24, gage height, 13.21 ft (4.026 m); minimum daily, 79 ft³/s (2.24 m³/s) Sept. 26.

Flood of Oct. 12, 1973, reached a stage of 23.07 ft (7.032 m), present datum, from floodmark, discharge not determined.

REMARKS.--Records good except those for winter period, which are poor. Discharge measurements made prior to 1974 water year are published in table of miscellaneous sites in WRD Nebr. 1973. Records of chemical analysis and fluvial sediments for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	149	118	116	120	2250	253	541	917	627	440	202
2	94	141	124	120	125	3110	234	405	819	572	459	185
3	97	143	126	116	130	1690	226	502	3040	522	504	167
4	97	149	129	112	135	870	229	398	3540	484	454	171
5	98	150	146	108	120	594	228	284	2840	464	448	236
6	120	145	161	110	91	463	213	251	1530	456	415	257
7	114	138	153	114	90	455	228	234	884	442	372	202
8	113	136	140	120	94	388	264	219	966	440	348	166
9	113	137	125	125	90	352	245	201	2050	432	325	155
10	112	143	140	114	100	286	234	197	3840	429	314	142
11	109	141	144	100	120	316	224	238	2960	428	299	131
12	109	133	149	104	115	283	216	589	1790	419	290	113
13	113	129	152	120	110	253	219	339	1040	411	314	112
14	113	127	158	125	120	217	278	253	734	413	472	109
15	113	125	136	125	125	229	263	218	562	404	766	109
16	113	125	143	140	135	312	244	203	469	388	574	109
17	113	127	140	130	140	1390	235	190	417	383	452	109
18	113	128	141	135	150	3340	237	186	530	373	348	111
19	113	128	145	140	140	2470	243	180	1180	365	283	109
20	115	128	144	135	155	1520	234	162	2130	420	245	105
21	114	126	149	140	165	993	233	166	1830	662	217	102
22	105	126	138	135	190	652	229	165	2350	3810	200	103
23	115	128	160	135	180	491	258	168	6290	9320	193	117
24	102	128	151	150	195	401	357	166	9040	8990	193	100
25	115	130	110	155	210	331	507	166	4890	5960	197	96
26	118	131	89	155	225	325	559	185	2200	2940	201	79
27	119	133	114	160	300	363	517	184	1350	1770	214	95
28	126	133	120	150	600	365	615	370	1010	1290	267	97
29	145	130	118	140	---	320	716	530	833	924	270	99
30	146	131	116	135	---	295	710	1690	714	677	232	102
31	161	---	114	125	---	271	---	1560	---	491	220	---
TOTAL	3542	4018	4193	3989	4470	25595	9448	11140	62745	45706	10526	3990
MEAN	114	134	135	129	160	826	315	359	2092	1474	340	133
MAX	161	150	161	160	600	3340	716	1690	9040	9320	766	257
MIN	94	125	89	100	90	217	213	162	417	365	193	79
AC-FT	7030	7970	8320	7910	8870	50770	18740	22100	124500	90660	20880	7910

WTR YR 1975 TOTAL 189362 MEAN 519 MAX 9320 MIN 79 AC-FT 375600

PEAK DISCHARGE (BASE, 3,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3- 2	0930	8.07	3,450	6-10	1300	8.82	4,140
3-18	0830	8.31	3,670	6-24	1600	13.21	9,920
6- 3	0730	9.08	3,980	7-23	1800	12.12	9,600
6- 4	1630	9.10	4,060				

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Niobrara River basin				
06460800	Minnechaduza Creek near S. Dak.-Nebr. State line.	Lat 43°01'14", long 100°57'49", in SW1/4SW1/4 sec.10, T.35 N., R.31 W., Todd County, S. Dak., 2 miles upstream from S. Dak.-Nebr. State line and 6 miles north of Kilgore, Nebr.	--	1958a 1959-75	10-02-74 05-19-75 06-12-75 07-02-75 07-24-75 08-13-75 09-04-75 09-22-75	.79 1.9 1.4 .56 .05 .07 0 .37
06462450	Plum Creek at Johnstown, Nebr. [1]	Lat 42°34'08", long 100°06'22", in SW1/4 sec.14, T.30 N., R.24 W., Brown County, at bridge on U.S. Highway 20, 2 miles west of Johnstown.	--	1969-75	11-12-74 05-21-75	19 30
06462470	Plum Creek near Johnstown, Nebr. [1]	Lat 42°40'01", long 100°03'26", in SE1/4 sec.7, T.31 N., R.23 W., Brown County, at county road bridge 0.2 mile upstream from Sand Draw and 6.5 miles north of Johnstown.	--	1969-75	11-12-74 05-19-75	63 64
06463090	Bone Creek at Ainsworth, Nebr. [1]	Lat 42°32'51", long 99°52'33", in NE1/4 sec.27, T.30 N., R.22 W., Brown County, at bridge on U.S. Highway 20, 0.6 mile west of junction of Highways 7 and 20 in Ainsworth.	--	1969-75	11-13-74 05-21-75	1.7 2.6
06463350	Bone Creek near Long Pine, Nebr. [1]	Lat 42°40'16", long 99°46'06", in SW1/4 sec.10, T.31 N., R.21 W., Brown County, at bridge on U.S. Highway 183, 8.4 miles north from junction of Highways 20 and 183 and 2.8 miles west of Long Pine.	--	1969-75	11-13-74 05-21-75	32 52
06465050	Eagle Creek near Midway, Nebr.	Lat 42°38'01", long 98°46'21", in SW1/4NW1/4 sec.30, T.31 N., R.12 W., Holt County, at county road bridge 4.3 miles south and 6 miles west of Midway.	--	1969-75	11-06-74 05-12-75	18 18
06465100	East Branch Eagle Creek near Midway, Nebr.	Lat 42°37'35", long 98°45'49", in SW1/4SE1/4 sec.30, T.31 N., R.12 W., Holt County, at county road bridge 5 miles south and 5.4 miles west of Midway.	--	1969-75	11-06-74 05-12-75	7.8 8.4
06465202	Honey Creek near Midway, Nebr.	Lat 42°37'22", long 98°41'26", in NE1/4NW1/4 sec.35, T.31 N., R.12 W., Holt County, at county road bridge 5 miles south and 1.6 miles west of Midway.	--	1969-75	11-06-74 05-12-75	0.04 0.05
06465305	Camp Creek at Meek, Nebr.	Lat 42°41'44", long 98°37'00", in NE1/4NE1/4 sec.5, T.31 N., R.11 W., Holt County, at county road bridge 0.4 mile east of Meek.	--	1969-75	11-06-74 05-12-75	0.02 0.13
06465398	Redbird Creek near Meek, Nebr.	Lat 42°39'33", long 98°33'31", in NE1/4SE1/4 sec.14, T.31 N., R.11 W., Holt County, at site 3.2 miles east and 2.7 miles south of Meek.	--	1969-75	11-06-74 05-12-75	14 18
06465420	Blackbird Creek near Meek, Nebr.	Lat 42°39'46", long 98°34'24", in SW1/4NW1/4 sec.14, T.31 N., R.11 W., Holt County, at county road bridge 2.4 miles east and 2.3 miles south of Meek.	--	1969-75	11-06-74 05-12-75	5.8 7.5

See footnotes at end of table

Discharge measurements made at low-flow partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Platte River basin				
06772500	Wood River near Chapman, Nebr. [1]	Lat 40°57'56", long 98°12'22", at center of west line of sec.35, T.12 N., R.8 W., Merrick County, at timber bridge 3.2 miles southwest of Chapman.	--	1957-60a, 1961-75	10-01-74	2.0
					10-16-74	2.2
					11-06-74	4.0
					11-19-74	8.2
					12-03-74	7.4
					12-16-74	16
					12-30-74	12
					01-14-75	8.9
					01-27-75	7.9
					02-11-75	11
					02-25-75	5.2
					03-11-75	6.6
					04-04-75	14
					04-23-75	25
					05-14-75	7.3
					06-04-75	40
					06-24-75	157
					07-10-75	31
					07-30-75	38
					08-19-75	7.6
					08-27-75	1.7
					09-11-75	2.6
		Kansas River basin				
06824200	Horse Creek near Parks, Nebr.	Lat 40°02'23", long 101°41'09", in SE1/4NE1/4 sec.23, T.1 N., R.39 W., Dundy County, at county road bridge 0.5 mile upstream from mouth and 2 miles east of Parks.	--	1949, 1951-60a, 1961-75	05-28-75	0
					07-22-75	0
					09-16-75	0
06828200	Indian Creek near Max, Nebr.	Lat 40°07'48", long 101°21'44", on line between secs.22 and 23, T.2 N., R.36 W., Dundy County, at county road bridge 0.2 mile north of U.S. Highway 34 and 2.5 miles east of Max.	--	1949, 1951-60a, 1961-75	04-15-75	6.1
					05-28-75	3.9
					09-16-75	2.0
* 06850000	Turkey Creek at Naponee, Nebr.	Lat 40°04'34", long 99°08'17", in SW1/4SE1/4 sec.4, T.1 N., R.16 W., Franklin County, at county road bridge at east side of Naponee, 0.8 mile upstream from mouth.	138	1948-53#, 1954-60a, 1961-75	10-01-74	7.6
					03-12-75	12
					04-28-75	14
					06-09-75	88
					07-07-75	8.3
					08-05-75	9.9
					09-03-75	7.1
* 06850200	Cottonwood Creek near Bloomington, Nebr.	Lat 40°05'08", long 99°03'56", in SE1/4NE1/4 sec.1, T.1 N., R.16 W., Franklin County, at county road bridge 1 mile upstream from mouth and 1.5 miles west of Bloomington.	15.6	1948-56#, 1957, 60a, 1961-75	10-01-74	3.4
					03-12-75	4.6
					04-28-75	4.7
					06-09-75	6.1
					07-07-75	4.0
					09-03-75	3.4
* 06852000	Elm Creek at Amboy, Nebr.	Lat 40°05'20", long 98°26'07", in NE1/4NW1/4 sec.3, T.1 N., R.10 W., Webster County, at bridge on U.S. Highway 136 at east edge of Amboy, 2.5 miles upstream from mouth.	39.2	1948-53#, 1954-60a, 1961-75	10-01-74	14
					03-12-75	17
					04-28-75	17
					06-09-75	85
					07-08-75	16
					08-05-75	14
					09-03-75	13

* Also a crest-stage gage.
# Operated as a continuous-record gaging station.
1 Also published with additional data in Part 2 of this report.
a Published as a miscellaneous site.

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest stage partial record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Cheyenne River basin					
06396490	Warbonnet Creek near Harrison, Nebr.	Lat 42°50'43", long 103°54'41", in SW1/4 sec.10, T.33 N., R.56 W., Sioux County, at culvert on all weather road, 11.5 miles north of Harrison.	24.5	1969-75	06-12-70 04-11-74a 08-22-75	11.02 a13.04 13.89	a10 a58 69
		White River basin					
06443300	Deep Creek near Glen, Nebr.	Lat 42°36'37", long 103°33'22", in SE1/4SW1/4 sec.32, T.31 N., R.53 W., Sioux County, at bridge 1.4 miles east of Glen.	10.9	1953-75	06-19-75	5.45	0.8
06443700	Soldiers Creek near Crawford, Nebr.	Lat 42°41'18", long 103°32'09", in NE1/4SW1/4 sec.3, T.31 N., R.53 W., Sioux County, on right bank 6 miles west of Crawford.	52.6	1955-75	06-19-75	13.97	320
06445530	Chadron Creek tributary at Chadron State Park near Chadron, Nebr.	Lat 42°41'49", long 103°00'09", in NE1/4NW1/4 sec.6, T.31 N., R.48 W., Dawes County, on left downstream side of concrete box culvert on U.S. Highway 385, 9 miles south of Chadron.	2.59	1953-75	04-04-75	10.28	6
06445560	Chadron Creek at Chadron State Park near Chardon, Nebr.	Lat 42°42'27", long 103°00'33", in SE1/4NW1/4 sec.36, T.32 N., R.49 W., Dawes County, on left downstream wingwall of concrete culvert, 8 miles south of Chadron.	15.4	1953-75	04-15-74 04-04-75	8.38	b2 b8
		Niobrara River basin					
06454400	Niobrara River tributary near Belmont, Nebr.	Lat 42°36'16", long 103°22'31", in SE1/4SW1/4 sec.25, T.30 N., R.52 W., Dawes County, on tree upstream from a concrete box culvert under State Highway 2, 1.2 miles southwest of Belmont, 7.5 miles northwest of Marsland, and 10 miles south of Crawford.	2.59	1971-75	06-18-75	11.70	(e)
06456200	Pebble Creek near Esther, Nebr.	Lat 42°35'39", long 103°03'55", in NW1/4NW1/4 sec.10, T.30 N., R.49 W., Dawes County, on post in creek channel, 300 ft below bridge on county road 5 miles west of Esther (former post office) and U.S. Highway 385.	3.07	1953-75	75		0
06456400	Cottonwood Creek near Dunlap, Nebr.	Lat 42°29'29", long 102°58'08", in SW1/4NW1/4 sec.16, T.29 N., R.48 W., Dawes County, on downstream side of bridge on U.S. Highway 385, 2 miles northwest of Dunlap and 3 miles north of Niobrara River bridge.	82.2	1948, 1951-75	03-16-75	c7.21	1.3
06457100	Point of Rocks Creek near Marsland, Nebr.	Lat 42°16'57", long 103°18'23", in SE1/4SE1/4 sec.30, T.27 N., R.51 W., Box Butte County, at upstream end of box culvert under graveled secondary road 10.8 miles south of Marsland and 2.8 miles south of consolidated school at the intersection of State Highways 2 and 71.	7.10	1970-75	06-19-75	11.20	(e)
06457200	Berea Creek near Alliance, Nebr.	Lat 42°08'20", long 102°52'41", in NE1/4SE1/4 sec.14, T.25 N., R.48 W., Box Butte County, at upstream side of county road, 2.9 miles north of the junction of Emerson and Third Street in Alliance.	32.3	1953-70d, 1971-75	75		0
06457800	Antelope Creek tributary near Gordon, Nebr.	Lat 42°49'57", long 102°12'09", in SW1/4SW1/4 sec.18, T.33 N., R.41 W., Sheridan County, at bridge on State Highway 27, 2 miles north of Gordon and 2.5 miles north of U.S. Highway 20.	26.6	1953-75	75		0

See footnotes at end of table

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Niobrara River basin--Continued					
06461300	Big Beaver Creek near Valentine, Nebr.	Lat 42°56'24", long 100°27'25", in SE1/4SE1/4 sec.2, T.34 N., R.27 W., Cherry County, at box culvert under State Highway 12, 7.6 miles northeast of Valentine and 10.2 miles west of Sparks.	24.9	1971-75	04-05-75	11.44	b5
06465300	Camp Creek near O'Neill, Nebr.	Lat 42°39'08", long 98°39'26", in NW1/4SW1/4 sec.19, T.31 N., R.11 W., Holt County, on U.S. Highway 281, 13 miles north of O'Neill.	1.65	1958-75	06-09-75	(e)	b5
06465850	Bingham Creek near Niobrara, Nebr.	Lat 42°42'12", long 98°02'54", in NW1/4SW1/4 sec.32, T.32 N., R.6 W., Knox County, at culvert on State Highway 14, 4.7 miles south of Niobrara.	f6.5	1968-75	05-27-75	c12.16	20
		Weigand Creek basin					
06466950	Weigand Creek near Crofton, Nebr.	Lat 42°43'36", long 97°37'55", in NW1/4NE1/4 sec.26, T.32 N., R.3 W., Knox County, at culvert on State Highway 12, 5.5 miles east of Lindy and 6.5 miles west of Crofton.	f3.5	1968-75	06-18-75	10.75	160
		Bow Creek basin					
06478520	West Bow Creek near Fordyce, Nebr.	Lat 42°41'40", long 97°25'06", in NE1/4NW1/4 sec.3, T.31 N., R.1 W., Cedar County, at bridge on U.S. Highway 81, 1.2 miles southeast of Constance and 2.9 miles west of Fordyce.	52.7	1964-65, 1967g, 1967-75	08-16-75	c8.7	18
		Omaha Creek basin					
06600800	South Omaha Creek tributary No. 2 near Walthill, Nebr.	Lat 42°08'18", long 96°28'37", in NE1/4SW1/4 sec.13, T.25 N., R.8 E., Thurston County, at culvert on U.S. Highway 77, 0.6 mile south of State Highway 94 and 0.8 mile southeast of Walthill.	1.65	1950-75	06-18-75	10.44	130
06600900	South Omaha Creek at Walthill, Nebr.	Lat 42°08'54", long 96°28'58", in SE1/4SE1/4 sec.11, T.25 N., R.8 E., Thurston County, at bridge on State Highway 94 at east edge of Walthill.	51.2	1951-75	06-18-75	18.52	3,850
		Tekamah Creek basin					
06607300	South Branch Tekamah Creek tributary near Tekamah, Nebr.	Lat 41°45'15", long 96°17'11", in NW1/4NW1/4 sec.34, T.21 N., R.10 E., Burt County, at bridge on east-west county road, 4 miles southwest of Tekamah.	4.08	1950-75	04-28-75	16.67	1,090
		New York Creek basin					
06608700	New York Creek tributary near Spiker, Nebr.	Lat 41°38'24", long 96°18'27", in SW1/4SW1/4 sec.4, T.19 N., R.10 E., Washington County, at box culvert on eastwest county road, 300 ft east of north-south county road and 2.2 miles north of Spiker.	1.55	1951-75	04-28-75	26.57	210
06608900	New York Creek north of Spiker, Nebr. (discontinued 9-30-75)	Lat 41°37'32", long 96°18'34", in SE1/4SE1/4 sec.8, T.19 N., R.10 E., Washington County, at bridge 100 ft west of present crossing of north-south county road and 1.1 miles north of Spiker.	6.50	1951-75	04-28-75	18.93	1,690
06608900	New York Creek east of Spiker, Nebr.	Lat 41°36'53", long 96°16'14", in SE1/4SE1/4 sec.15, T.19 N., R.10 E., Washington County, on north-south dirt road, 200 ft south of county road and 2.6 miles east of Spiker.	13.9	1950-75	04-28-75	c13.54	760
		Papillion Creek basin					
06610700	Big Papillion Creek near Orum, Nebr.	Lat 41°32'44", long 96°13'10", in NW1/4SE1/4 sec.7, T.18 N., R.11 E., Washington County, at bridge on State Highway 91, 2.7 miles east of Orum and 4.3 miles west of Blair.	8.52	1968-75	05-28-75	10.35	(+)

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Platte River basin					
06678750	Dry Spottedtail Creek tributary near Mitchell, Nebr.	Lat 42°07'00", long 103°49'22", in NW1/4NE1/4 sec.26, T.25 N., R.56 W., Sioux County, at upstream end of box culvert under State Highway 29, 3.6 miles north of Interstate Canal and 12 miles north of Mitchell.	15.0	1971-75	75		0
06684900	Hackberry Creek near Redington, Nebr.	Lat 41°35'00", long 103°25'17", in NW1/4NW1/4 sec.34, T.19 N., R.53 W., Banner County, at upstream side of box culvert under State Highway 88, 8 miles west of Redington.	16.6	1970-75	05-09-72 02-24-73 08-09-74 07-20-75	11.80 11.45 12.89 11.75	a48 a1 a450 30
06687600	Ash Hollow near Oshkosh, Nebr.	Lat 41°15'05", long 102°20'28", in SE1/4SE1/4 sec.22, T.15 N., R.44 W., Garden County, at upstream side of box culvert under State Highway 27, 11 miles south of Oshkosh.	54.9	1968g, 1968, 1970-75	75		0
06762650	Lodgepole Creek tributary near Kimball, Nebr.	Lat 41°17'57", long 103°36'32", in SE1/4SE1/4 sec.30, T.16 N., R.55 W., Kimball County, at upstream side of box culvert under State Highway 71, 6.5 miles north of Kimball.	8.68	1970-75	08-22-74a 75	11.88	(+) 0
06763200	Lodgepole Creek tributary near Sunol, Nebr.	Lat 41°10'00", long 102°43'25", in SE1/4SE1/4 sec.20, T.14 N., R.47 W., Cheyenne County, at upstream side of box culvert under graveled county road, 2 miles east and 0.6 mile north of Sunol.	15.6	1968g, 1968-75	75		0
06767200	North Fork Plum Creek tributary near Farnam, Nebr.	Lat 40°42'18", long 100°14'24", in NW1/4SW1/4 sec.36, T.9 N., R.26 W., Lincoln County, at box culvert on State Highway 23, 0.1 mile east of north-south dirt road and 1.3 miles west of main street in Farnam.	1.83	1952-75	06-21-75	11.23	100
06767410	Plum Creek near Farnam, Nebr.	lat 40°41'13", long 100°08'42", in NE1/4NW1/4 sec.10, T.8 N., R.25 W., Frontier County, on east-west road 0.4 mile west of State Highway 23 and 4 miles southeast of Farnam.	80.4	1947, 1951-75	06-20-75	12.22	230
06768050	Buffalo Creek tributary No. near Buffalo, Nebr.	Lat 41°00'44", long 99°48'48", in SW1/4NE1/4 sec.15, T.12 N., R.22 W., Dawson County, at bridge east of Lutheran Church and School, 2 miles northeast of Buffalo.	2.08	1965-75	06-20-75	11.23	13
06768100	East Buffalo Creek near Buffalo, Nebr.	Lat 41°00'17", long 99°50'14", in SE1/4SW1/4 sec.16, T.12 N., R.22 W., Dawson County, on bridge 100 ft south of fork in road and 1.2 miles north of road intersection at Buffalo.	5.21	1951-75	06-20-75	10.53	37
06768400	West Buffalo Creek near Buffalo, Nebr.	Lat 40°59'22", long 99°52'21", in NW1/4NE1/4 sec.30, T.12 N., R.22 W., Dawson County, on bridge on dirt road, 2.0 miles west of crossroads at Buffalo.	17.1	1951-75	06-20-75	11.67	54
06769100	Elm Creek tributary near Overton, Nebr.	Lat 40°53'14", long 99°33'48", in SW1/4SE1/4 sec.26, T.11 N., R.20 W., Dawson County, at bridge on dirt road. 1.3 miles west and 10 miles north of Overton.	.58	1951-75	06-20-75	14.23	95
06769200	Elm Creek near Sumner, Nebr.	Lat 40°51'24", long 99°32'21", in NW1/4NW1/4 sec.7, T.10 N., R.19 W., Dawson County, at concrete culvert on gravel road, 1.4 miles west and 6 miles south of Sumner.	14.9	1951-75	06-20-75	13.10	62
06769300	Elm Creek tributary No. 2 near Overton, Nebr.	Lat 40°51'02", long 99°32'21", in NW1/4SW1/4 sec.7, T.10 N., R.19 W., Dawson County, at culvert on gravel road, 7.5 miles north of Overton.	5.62	1951-75	06-20-75	13.00	375
06770600	Wood River tributary near Lodi, Nebr.	Lat 41°11'58", long 99°50'21", in SE1/4NE1/4 sec.9, T.14 N., R.22 W., Custer County, at culvert on State Highway 40, 1.3 miles southeast of Lodi and 6.1 miles northwest of Oconto.	2.02	1952-75	06-08-75	11.67	36
06770700	Wood River near Lodi, Nebr.	Lat 41°10'15", long 99°48'17", in SW1/4NE1/4 sec.23, T.14 N., R.22 W., Custer County, at culvert on State Highway 40, 2.9 miles northwest of Oconto, 4 miles southeast of Lodi, and 10 miles southeast of Callaway.	12.9	1952-75	06-21-75	c11.92	86

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Platte River basin--Continued					
06770800	Wood River near Oconto, Nebr.	Lat 41°09'46", long 99°47'38", in SW1/4SW1/4 sec.24, T.14 N., R.22 W., Custer County, on State Highway 40, 2.6 miles northwest of Oconto.	26.4	1950, 1952-75	06-21-75	c13.13	255
06770900	Wood River at Oconto, Nebr.	Lat 41°08'50", long 99°45'26", in NW corner sec.32, T.14 N., R.21 W., Custer County, at bridge on State Highway 21 just north of Oconto, 0.8 mile north of junction with State Highway 40.	44.8	1950, 1952-75	06-21-75	13.25	139
06770910	Wood River near Lomax, Nebr.	Lat 41°03'40", long 99°40'50", in SW1/4SW1/4 sec.25, T.13 N., R.21 W., Custer County, at bridge No. 7091 on State Highway 40, 50 ft downstream from Union Pacific Railroad bridge and 0.5 mile southeast of crossroads at Lomax.	79.6	1952-75	06-21-75	10.03	250
06771000	Wood River near Riverdale, Nebr.	Lat 40°47'56", long 99°11'48", in NW1/4NW1/4 sec.31, T.10 N., R.16 W., Buffalo County, at downstream side of State Highway 40, 1.5 miles northwest of Riverdale.	379	1946-73*, 1974-75	06-21-75	7.83	269
06775700	North Fork Dismal River near Mullen, Nebr.	Lat 41°51'08", long 101°02'14", in SE1/4NE1/4 sec.29, T.22 N., R.32 W., Hooker County, at upstream end of culvert under State Highway 97, 13 miles south of Mullen.	670	1971-75	08-05-75	15.58	97
06777600	Lillian Creek tributary near Broken Bow, Nebr.	Lat 41°30'12", long 99°39'31", in SE1/4NE1/4 sec.30, T.18 N., R.20 W., Custer County, at bridge on north-south gravel road, 7.5 miles north of State Highway 2 in Broken Bow.	2.02	1952-75	07-21-75	c10.29	2.1
06777700	Lillian Creek near Broken Bow, Nebr.	Lat 41°30'36", long 99°39'26", in NE1/4NE1/4 sec.30, T.18 N., R.20 W., Custer County, at bridge on north-south gravel road, 8 miles north of State Highway 2 in Broken Bow.	4.77	1947, 1951-75	07-21-75	10.25	236
06777800	Lillian Creek tributary near Walworth, Nebr.	Lat 41°37'33", long 99°34'13", in SE1/4SW1/4 sec.12, T.19 N., R.20 W., Custer County, on east-west dirt road, 2 miles south of Walworth.	2.04	1951-75	06-21-75		b1
06782600	South Branch Mud Creek tributary near Broken Bow, Nebr.	Lat 41°25'57", long 99°42'09", in SW1/4NE1/4 sec.23, T.17 N., R.21 W., Custer County, at box culvert on State Highway 2, 4 miles northwest of Broken Bow.	.40	1951-75	07-21-75	c13.48	122
06782700	South Branch Mud Creek at Broken Bow, Nebr.	Lat 41°24'07", long 99°38'51", in SE1/4NW1/4 sec.32, T.17 N., R.20 W., Custer County, at bridge on State Highway 2, 0.2 mile upstream from confluence with North Branch of Mud Creek and 0.3 mile west of Arrow Hotel at town square in Broken Bow.	86	1945, 1951-75	07-21-75		b180
06782900	Mud Creek tributary near Broken Bow, Nebr.	Lat 41°22'32", long 99°38'17", in NE1/4NW1/4 sec.8, T.16 N., R.20 W., Custer County, at double concrete box culvert on State Highway 21, 1.8 miles south of State Highway 2 in Broken Bow.	5.90	1945, 1951-75	07-21-75	12.05	80
06784700	Turkey Creek near Farwell, Nebr.	Lat 41°13'14", long 98°40'45", in NW1/4NE1/4 sec.3, T.14 N., R.12 W., Howard County, at bridge on State Highway 92, 0.2 mile west of School No. 78 and 2.7 miles west of Farwell.	27.2	1950, 1953-75	06-18-75	14.87	150
06789400	Davis Creek southwest of North Loup, Nebr.	Lat 41°24'32", long 98°48'32", in NE1/4NE1/4 sec.33, T.17 N., R.13 W., Valley County, at timber bridge 6.5 miles southwest of North Loup.	31.2	1951-75	06-20-75	19.01	180
06790600	East Branch Spring Creek tributary near Wolbach, Nebr.	Lat 41°27'28", long 98°25'45", in NE1/4SE1/4 sec.11, T.17 N., R.10 W., Greeley County, at box culvert on county road, 0.6 mile south of east-west dirt road, 1.1 miles north of gravel road to Brayton, and 4.5 miles northwest of Wolbach.	1.52	1952-75	06-08-75	10.85	0

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Platte River basin--Continued					
06790700	West Branch Spring Creek at Brayton, Nebr.	Lat 41°27'27", long 98°28'38", in NE1/4SW1/4 sec.9, T.17 N., R.10 W., Greeley County, at steel truss bridge on north-south dirt road, 200 ft north of T in road and 0.4 mile south of Brayton.	19.5	1945, 1952-75	06-08-75	12.45	182
06791100	Spring Creek near Cushing, Nebr.	Lat 41°17'08", long 98°22'42", in SW1/4NW1/4 sec.8, T.15 N., R.9 W., Howard County, at bridge 0.9 mile southwest of Cushing and 1.9 miles upstream from Loup River.	184	1948h, 1949-53*h, 1953-75	06-08-75	11.1	120
06793995	Skeedee Creek tributary near Genoa, Nebr.	Lat 41°29'46", long 97°52'23", in NE1/4 NE1/4 sec.34, T.18 N., R.5 W., Nance County, at bridge on county road, 5 miles south of St. Edward and 7.5 miles northwest of Genoa.	.59	1964g, 1964, 1968-75	06-18-75	13.15	118
06794710	Bone Creek near David City, Nebr.	Lat 41°16'42", long 97°02'51", in SW1/4SE1/4 sec.11, T.15 N., R.3 E., Butler County, at bridge on State Highway Spur 12B, 1 mile north and 4.3 miles east of David City.	8.75	1963g, 1963, 1968-75	06-18-75	13.19	363
06799190	South Fork Union Creek tributary near Cornlea, Nebr.	Lat 41°42'00", long 97°34'22", in SE1/4SW1/4 sec.17, T.20 N., R.2 W., Platte County, at culvert on State Highway 91, 0.5 mile west and 1.2 miles north of Cornlea.	6.54	1967-75	06-18-75	12.86	700
06799423	North Logan Creek near Laurel, Nebr.	Lat 42°28'00", long 97°02'55", in NW1/4NW1/4 sec.26, T.29 N., R.3 E., Cedar County, at bridge on U.S. Highway 20, 2.2 miles east and 3 miles north of Laurel.	f25.3	1965g, 1965, 1967g, 1967-75	05-06-75	c13.10	150
06799950	Pond Creek near Schuyler, Nebr.	Lat 41°31'15", long 97°03'33", in SE1/4NE1/4 sec.22, T.18 N., R.3 E., Colfax County, at culvert on State Highway 15, 4.7 miles north of Schuyler.	.54	1968-75	06-18-75	12.93	(*)
06800350	Elkhorn River tributary near Nickerson, Nebr.	Lat 41°30'34", long 96°33'06", in NE1/4NW1/4 sec.29, T.18 N., R.8 E., Dodge County, at bridge on county road, 4.5 miles southwest of Nickerson.	6.53	1968-75	06-18-75	13.05	68
06803200	Antelope Creek at 48th Street, Lincoln, Nebr.	Lat 40°47'16", long 96°39'13", in SE1/4SW1/4 sec.32, T.10 N., R.7 E., Lancaster County, on left downstream wingwall of culvert at 48th Street in Lincoln.	7.14	1951, 1958-75	10-11-73 10-30-74	12.12 7.95	a1,070 273
06803300	Antelope Creek at 27th Street, Lincoln, Nebr.	Lat 40°48'10", long 96°40'56", in NE1/4SE1/4 sec.25, T.10 N., R.6 E., Lancaster County, on downstream side of bridge at 27th and Alpha Streets in Lincoln.	10.6	1957-75	10-30-74	3.80	450
06803400	Antelope Creek at 17th Street Lincoln, Nebr.	Lat 40°49'26", long 96°41'47", in SW1/4NW1/4 sec.24, T.10 N., R.6 E., Lancaster County, on right bank 40 ft downstream from 17th Street bridge in Lincoln and 3,600 ft upstream from mouth.	12.1	1958-62*, 1963-75	04-22-75	5.15	635
06803540	Dee Creek near Alvo, Nebr.	Lat 40°54'52", long 96°25'04", in SE1/4SE1/4 sec.17, T.11 N., R.9 E., Cass County, at bridge on county road, 2 miles west and 3 miles north of Alvo.	7.86	1961g, 1962-75	03-27-75	c7.2	62
06803570	Dunlap Creek tributary near Weston, Nebr.	Lat 41°12'25", long 96°48'46", in SE1/4SE1/4 sec.2, T.14 N., R.5 E., Saunders County, on tree just upstream from box culvert on State Highway 79, 200 ft north of U.S. Highway 30A and State Highway 92 and 3.5 miles northwest of Weston.	.43	1950-75	06-18-75	13.97	190
06803600	North Fork Wahoo Creek near Prague, Nebr.	Lat 41°15'37", long 96°48'47", in NW1/4NW1/4 sec.24, T.15 N., R.5 E., Saunders County, at bridge on State Highway 79, 0.2 mile south of road intersection and 3.5 miles south of Prague.	15.4	1951-75	06-18-75	11.37	900

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Platte River basin--Continued					
06803900	North Fork Wahoo Creek at Weston, Nebr.	Lat 41°12'19", long 96°43'40", in NE1/4NW1/4 sec.10, T.14 N., R.6 E., Saunders County, at bridge on State Highway 92, 1 mile northeast of Weston.	43.3	1951-75	06-18-75	13.60	910
06804100	Silver Creek near Cedar Bluffs, Nebr.	Lat 41°22'48", long 96°35'15", in NW1/4NE1/4 sec.11, T.16 N., R.7 E., Saunders County, at bridge on county road, 0.8 mile east of State Highway 109 and 1.5 miles southeast of Cedar Bluffs.	7.00	1950-75	06-18-75	c9.5	60
06804200	Silver Creek near Colon, Nebr.	Lat 41°18'26", long 96°33'47", in NW1/4NW1/4 sec.6, T.15 N., R.8 E., Saunders County, at bridge on county road, 2.1 miles east of State Highway 109 and 2.5 miles east of Colon.	30.3	1950-75	06-18-75	(e)	b170
06804300	Silver Creek tributary near Colon, Nebr.	Lat 41°21'03", long 96°38'45", in NW1/4NE1/4 sec.20, T.16 N., R.7 E., Saunders County, at culvert on county road, 2.3 miles west of State Highway 109 and 4 miles northwest of Colon.	10.3	1951-75	04-28-75	11.96	60
06804400	Silver Creek tributary at Colon, Nebr.	Lat 41°17'55", long 96°36'18", in NW1/4SW1/4 sec.2, T.15 N., R.7 E., Saunders County, at culvert on State Highway 109, 0.2 mile east of Colon.	17.6	1951-75	04-28-75	11.56	17
06804500	Silver Creek at Ithaca, Nebr.	Lat 41°09'44", long 96°31'38", in NW1/4NE1/4 sec.28, T.14 N., R.8 E., Saunders County, at bridge on county road, 0.5 mile east of Ithaca.	80.0	1950-58#, 1959-75	10-11-73a 06-18-75	c7.29	330 b100
06805510	Buffalo Creek near Gretna, Nebr.	Lat 41°06'12", long 96°13'30", in NE1/4NW1/4 sec.18, T.13 N., R.11 E., Sarpy County, at bridge on county road, 1,100 ft downstream from junction of Buffalo Creek and left-bank tributary, 1,700 ft downstream from Interstate Highway 80, and 1 mile east and 2.5 miles south of Gretna.	4.29	1968-75	08-29-75	13.61	(+)
		Weeping Water Creek basin					
06806440	Stove Creek at Elmwood, Nebr.	Lat 40°50'32", long 96°17'37", in SW1/4NW1/4 sec.15, T.10 N., R.10 E., Cass County, at bridge on State Highway 1 at south side of Elmwood.	10.3	1950-75	06-18-75	11.03	135
06806460	Weeping Water Creek at Weeping Water, Nebr.	Lat 40°51'18", long 96°07'10", in NW1/4NW1/4 sec.7, T.10 N., R.12 E., Cass County, at bridge of Missouri Pacific Railroad just south of north-south road, 1 mile southeast of Weeping Water.	80.1	1947, 1950-74, 1973-75g	04-28-75	(e)	590
06806470	Weeping Water Creek tributary near Weeping Water, Nebr.	Lat 40°51'46", long 96°06'43", in NE1/4SW1/4 sec.6, T.10 N., R.12 E., Cass County, at culvert of Missouri Pacific Railroad, 1,400 ft west of north-south road and 1.5 miles southeast of Weeping Water.	.73	1950-75	06-18-75	12.00	125
		Honey Creek basin					
06810060	Honey Creek near Peru, Nebr.	Lat 40°26'38", long 95°45'12", in SW1/4NE1/4 sec.32, T.6 N., R.15 E., Nemaha County, at bridge on county road, 1 mile west and 2 miles south of Peru.	3.43	1968-75	09-04-75	14.00	647
		Little Nemaha River basin					
06810100	Hooper Creek tributary near Palnyra, Nebr.	Lat 40°46'10", long 96°25'23", in NW1/4NW1/4 sec.9, T.9 N., R.9 E., Otoe County, at bridge on east-west portion of State Highway 43, 300 ft east of turn in highway and 4.5 miles north of Palmyra.	8.00	1950-75	06-22-75	(j)	b25
06810400	Little Nemaha River tributary near Syracuse, Nebr.	Lat 40°40'05", long 96°11'54", in SE1/4SE1/4 sec.8, T.8 N., R.11 E., Otoe County, at multiple box culvert on county road, 50 ft west of crossroad, about 1.0 mile south of State Highway 2, and 1.5 miles northwest of Syracuse.	.71	1950-75	06-19-75	10.68	168

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Little Nemaha River basin--Continued					
06815500	Muddy Creek at Verdon, Nebr.	Lat 40°08'40", long 95°43'10", in NE1/4NW1/4 sec.15, T.2 N., R.15 E., Richardson County, on downstream side of bridge on U.S. Highway 73, 0.4 mile west of Verdon and 1 mile downstream from Sardine Creek.	186	1953-72# 1973	08-12-73	c32.71	35,000
		Big Nemaha River basin					
06815510	Temple Creek near Falls City, Nebr.	Lat 40°08'36", long 95°36'27", in NE1/4NW1/4 sec.15, T.2 N., R.16 E., Richardson County, at culvert on U.S. Highway 73, 6 miles north of Falls City.	2.99	1968-75	09-03-75	c6.80	6
		Kansas River basin					
06828100	North Branch Indian Creek near Max, Nebr.	Lat 40°09'52", long 100°23'51", in SW1/4SW1/4 sec.4, T.2 N., R.36 W., Dundy County, at bridge on county road, 1.8 miles above the mouth and 3.5 miles north of Max.	f4.76	1962g, 1962, 1970-75	75		0
06829700	Thompson Canyon near Trenton, Nebr.	Lat 40°09'44", long 100°57'31", in SE1/4SW1/4 sec.5, T.2 N., R.32 W., Hitchcock County, on downstream side of bridge on county road, 0.5 mile south and 2.8 miles east of Trenton.	9.06	1966g, 1968g, 1966-75	06-21-75	8.75	370
06834100	Spring Creek tributary near Grant, Nebr.	Lat 40°49'52", long 101°48'57", in SW1/4SW1/4 sec.18, T.10 N., R.29 W., Perkins County, on downstream side of Burlington Northern Inc. railroad bridge, 57 ft upstream from culvert under State Highway 23 and 5.2 miles southwest of Grant.	17.9	1970-75	75		0
06835100	Bobtail Creek near Palisade, Nebr.	Lat 40°18'17", long 101°06'40", in SE1/4NW1/4 sec.13, T.4 N., R.34 W., Hitchcock County, on downstream side of bridge on county road, 2.2 miles south of Palisade and 3.5 miles upstream from Frenchman Creek.	f30.2	1966-67g, 1966-75	06-08-75	11.25	1,850
06837100	Ash Creek near Red Willow, Nebr.	Lat 40°09'45", long 100°29'24", in SE1/4SW1/4 sec.4, T.2 N., R.28 W., Red Willow County, 10 ft downstream from bridge on county road, 5 miles south and 1 mile east of Red Willow school and 4 miles upstream from Republican River (revised).	18.3	1966g, 1966-73k 1974-75	07-31-75	9.18	(*)
06838200	Coon Creek at Indianola, Nebr.	Lat 40°14'03", long 100°25'37", in NW1/4NE1/4 sec.13, T.3 N., R.28 W., Red Willow County, at bridge on U.S. Highways 6 and 34, 0.5 mile west of Indianola.	f69	1961-75	06-08-75	4.70	195
06838550	Dry Creek at Bartley, Nebr.	Lat 40°15'02", long 100°19'02", in SW1/4SE1/4 sec.1, T.3 N., R.27 W., Red Willow County, at bridge on U.S. Highway 6 and 34, 0.5 mile west of Bartley.	f42	1961-75	06-19-75	10.90	280
06839000	Medicine Creek at Maywood, Nebr.	Lat 40°39'23", long 100°36'41", in NE1/4NE1/4 sec.21, T.8 N., R.29 W., Frontier County, 150 ft downstream from bridge on county road and 0.2 mile east of Maywood.	f231	1951-58#, 1960-75	06-08-75	c4.1	187
06839200	Elkhorn Canyon near Maywood, Nebr.	Lat 40°36'10", long 100°42'02", in NE1/4SW1/4 sec.2, T.7 N., R.30 W., Frontier County, on tree on left bank, 10 ft downstream from bridge, 4.5 miles upstream from Brushy Creek, and 6 miles southwest of Maywood.	6.74	1952-75	06-21-75	11.59	130
06839500	Brushy Creek near Maywood, Nebr.	Lat 40°37'51", long 100°37'47", in SE1/4SE1/4 sec.29, T.8 N., R.29 W., Frontier County, on right bank 420 ft downstream from bridge on U.S. Highway 83 and 2 miles south of Maywood.	f95	1935, 1947, 1951-58#, 1960-75	06-21-75	c9.16	610
06839700	Frazier Creek tributary near Maywood, Nebr.	Lat 40°35'32", long 100°37'46", in SE1/4NE1/4 sec.8, T.7 N., R.29 W., Frontier County, at box culvert on U.S. Highway 83, 4.5 miles south of Maywood.	.72	1952-75	75		0

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Kansas River basin--Continued					
06839900	Fox Creek upstream from Cut Canyon near Curtis, Nebr.	Lat 40°44'40", long 100°31'52", in SE1/4SE1/4 sec.17, T.9 N., R.28 W., Lincoln County, at timber bridge 8.0 miles north of Curtis.	31.8	1951-75	06-21-75	13.26	395
06839950	Cut Canyon near Curtis, Nebr.	Lat 40°43'39", long 100°32'10", in NE1/4NW1/4 sec.29, T.9 N., R.28 W., Lincoln County, at timber bridge 6.5 miles north of Curtis.	25.6	1951-75	06-21-75	14.81	510
06849600	Turkey Creek near Holdrege, Nebr.	Lat 40°19'33", long 99°22'04", in NW1/4SW1/4 sec.9, T.4 N., R.18 W., Harlan County, at bridge on U.S. Highway 183, 7.8 miles south of Holdrege.	22.9	1941, 1960, 1962g, 1967-75	06-18-75	14.95	617
* 06850000	Turkey Creek at Naponee, Nebr.	Lat 40°04'34", long 99°08'17", in SW1/4SW1/4 sec.4, T.1 N., R.16 W., Franklin County, on downstream side of county bridge at east side of Naponee.	129	1948- 53#, 1954- 61g, 1962-75	06-03-75	10.73	2,000
* 06850200	Cottonwood Creek near Bloomington, Nebr.	Lat 40°05'09", long 99°04'05", in SE1/4NE1/4 sec.1, T.1 N., R.16 W., Franklin County, on downstream side of county bridge, 1 mile upstream from mouth and 1.5 miles west of Bloomington.	15.6	1948- 56#, 1957- 61g, 1962-75	06-03-75	9.38	787
06850500	Republican River near Bloomington, Nebr.	Lat 40°03'58", long 99°02'14", in NW1/4SE1/4 sec.8, T.1 N., R.15 W., Franklin County, 2 miles south of Bloomington.	21,000	1929-57#, 1960-67g, 1970-75m	07-07-75	4.15	m1,070
06851090	Republican River at Riverton, Nebr.	Lat 40°05'26", long 98°46'03", in SE1/4SE1/4 sec.34, T.2 N., R.13 W., Franklin County, at bridge on county road 0.5 mile west of Riverton.	21,300	1963-67g, 1970-75m	07-08-75	4.92	m1,010
06851300	West Branch Thompson Creek tributary near Hildreth, Nebr.	Lat 40°19'10", long 99°00'33", in NW1/4NW1/4 sec.15, T.4 N., R.15 W., Franklin County, on north-south county road, 2 miles southeast of Hildreth and 3 miles west of State Highway 10.	11.5	1953-75	05-28-75	15.98	585
06851400	West Branch Thompson Creek near Upland, Nebr.	Lat 40°17'32", long 98°56'10", in NE1/4NE1/4 sec.30, T.4 N., R.14 W., Franklin County, on State Highway 4, 3 miles southwest of Upland.	128	1953-75	05-28-75	12.26	910
* 06852000	Elm Creek at Amboy, Nebr.	Lat 40°05'20", long 98°26'07", in NE1/4NW1/4 sec.3, T.1 N., R.10 W., Webster County, on downstream side of bridge on U.S. Highway 136 at east edge of Amboy.	39.2	1948- 53#, 1954- 60g, 1959, 1961-75	06-08-75	12.30	610
06853100	Beaver Creek near Rosemont, Nebr.	Lat 40°15'47", long 98°22'31", in NW1/4NE1/4 sec.6, T.3 N., R.9 W., Webster County, at county road bridge 1.8 miles southwest of Rosemont.	.752	1938- 70#, 1971-75	06-18-75	2.60	106
06853400	Republican River at Superior, Nebr.	Lat 40°01'22", long 98°06'17", in NE corner SE1/4 sec.28, T.1 N., R.7 W., Nuckolls County, on downstream guardrail of railroad bridge at cement plant, 2.0 miles west of Superior.	22,300	1961- 65g, 1967g, 1971-75m	06-24-75	8.96	m2,130
06879850	Big Blue River tributary (site 1) near Nordville, Nebr.	Lat 41°02'47", long 97°56'27", in SW1/4SW1/4 sec.31, T.13 N., R.5 W., Hamilton County, at bridge on east-west county road, 2.2 miles south and 2.8 miles west of Nordville.	4.07	1968-71 1972-74m, 1975	06-18-75	12.87	(*)
06880508	Plum Creek near Seward, Nebr.	Lat 40°55'49", long 97°04'32", in NE1/4NW1/4 sec.15, T.11 N., R.3 E., Seward County, at bridge on county road, 0.6 mile north and 1.3 miles east of Seward.	85.5	1963g, 1963, 1968-75	06-18-75	13.45	435
06880590	North Branch West Fork Big Blue River tributary at Giltner, Nebr.	Lat 40°47'04", long 98°08'57", in NE1/4NE1/4 sec.6, T.9 N., R.7 W., Hamilton County, at culvert on State Highway Spur 502, 0.7 mile north of Giltner.	7.52	1968-75	06-18-75	10.82	178
06880720	School Creek near Harvard, Nebr.	Lat 40°35'49", long 98°03'04", in NW1/4NW1/4 sec.7, T.7 N., R.6 W., Clay County, at bridge on black-top county road, 0.9 mile north of junction of U.S. Highway 6 and State Highway 14 and 3 miles southeast of Harvard.	51.5	1953-75	06-18-75		b200

Annual maximum discharge at crest stage partial record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Kansas River basin--Continued					
06880730	School Creek tributary No. 2 near Harvard, Nebr.	Lat 40°36'42", long 98°02'36", in SE1/4SW1/4 sec.31, T.8 N., R.6 W., Clay County, at culvert on east-west portion of black-top county road, 100 ft north of Burlington Northern Inc. underpass and 3 miles east of Harvard.	16.4	1953-75	06-18-75	13.90	256
06880775	Beaver Creek tributary near Henderson, Nebr.	Lat 40°48'52", long 97°48'43", in NW1/4NE1/4 sec.30, T.10 N., R.4 W., York County, at culvert on east-west county road, 0.3 mile west and 2 miles north of Henderson.	1.16	1968-75	06-22-75	10.10	10
06881250	South Fork Swan Creek tributary near Western, Nebr.	Lat 40°18'18", long 97°10'46", in NE1/4NE1/4 sec.22, T.4 N., R.2 E., Jefferson County, at culvert on State Highway 15, 6.2 miles southeast of Western and 1.1 miles south and 6.3 miles east of Dakin.	.07	1968-75	06-03-75	10.86	(+)
06881450	Indian Creek at Beatrice, Nebr.	Lat 40°17'08", long 96°44'47", in SE1/4NE1/4 sec.28, T.4 N., R.6 E., Gage County, at bridge on U.S. Highway 77 at north edge of Beatrice.	74.7	1960-75	06-09-75	11.45	1,720
06881530	Big Blue River tributary near Beatrice, Nebr.	Lat 40°15'46", long 96°39'09", in SW1/4SE1/4 sec.32, T.4 N., R.7 E., Gage County, at upstream end of box culvert of U.S. Highway 136, 4.6 miles east of highway intersection in Beatrice.	1.86	1971-75	06-22-75	12.17	123
06883540	Spring Creek tributary near Ruskin, Nebr.	Lat 40°06'50", long 97°49'13", in SE1/4NE1/4 sec.25, T.2 N., R.5 W., Nuckolls County, at culvert on north-south county road, 2.3 miles south and 2.5 miles east of Ruskin.	2.11	1967-75	06-03-75	13.75	133
06883700	South Fork Big Sandy Creek near Davenport, Nebr.	Lat 40°18'27", long 97°52'39", in SW1/4SW1/4 sec.15, T.4 N., R.5 W., Nuckolls County, at wood bridge on dirt road, 50 ft north of State Highway 4 and 3.5 miles west of Davenport.	28.1	1950, 1952-75	07-22-75	15.95	1,030
06883955	Little Sandy Creek near Ohiowa, Nebr.	Lat 40°25'37", long 95°23'38", in SE1/4SE1/4 sec.16, T.5 N., R.1 W., Fillmore County, at bridge on east-west county road 1 mile south and 1.5 miles east of Ohiowa.	11.6	1968-75	06-09-75	13.58	310
06884005	Dry Branch tributary near Fairbury, Nebr.	Lat 40°02'43", long 97°10'14", in SW1/4SE1/4 sec.14, T.1 N., R.2 E., Jefferson County, at bridge on State Highway 15, 3 miles north of Nebraska-Kansas State line and 6.4 miles south of Fairbury.	4.51	1968-75	06-03-75	13.73	350

* Also a low-flow partial-record station.
+ Discharge not determined.
# Operated as a continuous-record gaging station.
a Revised.
b Estimate.
c Outside flood mark.
d At site 1.2 miles downstream, drainage area 34.0 sq. mi.
e Stage below bottom of gage, which is 10.0 ft.
f Approximate.
g Discharge measurements published in table for miscellaneous sites.
h At site 1 mile north, record considered equivalent.
j Stage below bottom of gage which is 8.0 ft.
k At site 2.0 miles downstream, drainage area 22 sq. mi., record considered equivalent.
m Discharge measurements only.
n At site 1.08 miles downstream, drainage area 5.03 sq. mi.

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of peak flow are designated by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1975

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Niobrara River Basin				
Long Pine Creek (06463050)	Niobrara River	Lat 42°32'59", long 99°42'23", in NW1/4 sec.30, T.30 N., R.20 W., Brown County, near right bank on downstream side of timber bridge, 0.1 mile downstream from U.S. Highway 20, and 1 mile NW of Long Pine, Nebr.	--	1974	10-23-74	53
					11-13-74	53
					12-04-74	53
					01-15-75	56
					02-26-75	52
					03-19-75	52
					04-09-75	55
					05-22-75	54
					06-12-75	53
		Platte River Basin				
Clear Creek	North Platte River	Lat 41°19'21", long 102°02'23", in NE1/4 sec.32, T.16 N., R.41 W., Keith County, at bridge on State Highway 92, 5.9 miles east of Lewellen, Nebr.	--	1974	10-31-74	7.5
					11-27-74	9.9
					12-30-74	10
					01-30-75	10
					02-28-75	10
					03-31-75	15
					04-25-75	4.5
					06-27-75	9.5
					07-28-75	4.2
					08-29-75	3.8
Lodgepole Creek [1] (06762550)	South Platte River	Lat 41°14'50", long 103°38'32", in SW1/4NW1/4 sec.28, T.15 N., R.55 W., Kimball County, at county road bridge 0.8 mile north of U.S. Highway 30 at east edge of Kimball, Nebr.	--	1973-74	10-07-74	2.7
					11-18-74	5.8
					12-16-74	4.1
					01-20-75	9.1
					02-10-75	7.3
					03-17-75	7.9
					04-14-75	8.8
					05-17-75	4.0
					06-16-75	1.4
					07-14-75	.50
					08-11-75	1.7
					09-15-75	2.6
Spring Creek [1] (06768015)	Platte River	Lat 40°45'13", long 99°40'22", in SW1/4NW1/4 sec.13, T.9 N., R.21 W., Dawson County, 3.2 miles southeast of Lexington, Nebr.	--	1973-74	10-30-74	8.8
					11-26-74	7.0
					03-13-75	2.6
					04-15-75	5.8
					05-28-75	18
					06-23-75	100
					07-23-75	45
					08-19-75	43
					09-15-75	10
North Channel [1] (06770205)	Platte River	Lat 40°40'30", long 99°00'27", in NW1/4SE1/4 sec.10, T.8 N., R.15 W., Buffalo County, 4 miles east of Kearney, Nebr.	--	1973-74	10-30-74	155
					11-26-74	73
					03-13-75	10
					04-15-75	109
					05-28-75	250
					06-23-75	378
					07-23-75	315
					08-19-75	178
					09-15-75	62
Wood River	Platte River	Lat 40°53'42", long 98°20'20", in NW1/4NW1/4, SE1/4 sec.27, T.11 N., R.9 W., at Locust St. bridge in Grand Island, Nebr.	--		06-29-75	327
Wood River [1] (06772200)	Platte River	Lat 40°56'05", long 98°16'56", in SW1/4NW1/4SW1/4 sec.7, T.11 N., R.8 W., Merrick County, at bridge on county road 1.0 mile south of U.S. Highway 30 and 3.0 miles east of Grand Island, Nebr.	--	1973-74	10-11-74	4.7
					10-30-74	39
					11-14-74	21
					11-26-74	15
					12-10-74	17
					12-24-74	11
					01-21-75	17
					02-04-75	4.2
					02-19-75	1.7
					03-05-75	8.1
					03-11-75	8.3
					04-04-75	15
					04-16-75	24
					04-23-75	16
					05-14-75	4.0
					05-28-75	12
					06-03-75	9.6
					06-24-75	306
					07-30-75	62
					08-04-75	46
					09-16-75	2.9
Prairie Creek	Platte River	Lat 40°55'42", long 98°36'30", in NW1/4SW1/4NW1/4 sec.18, T.11 N., R.11 W., at Highway 11 bridge 4 miles south of Cairo, Nebr.	--		06-03-75	583

See footnotes at end of table

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Platte River Basin--Continued						
Middle Loup River [1] (06777000)	Loup River	Lat 41°49'02", long 99°58'15", in NE1/4SW1/4 sec.3, T.21 N., R.23 W., Blaine County, on right bank at upstream side of Laughran bridge 9 miles upstream from Rifle Creek and 15 miles northwest of Milburn, Nebr.	--	1952-56*, 1958*, 1960-64*, 1969-74	10-02-74	727
					10-18-74	734
					10-21-74	826
					10-29-74	826
					11-14-74	753
					11-18-74	748
					12-05-74	801
					12-09-74	827
					12-18-74	708
					12-23-74	730
					12-30-74	741
					01-20-75	937
					02-10-75	783
					03-25-75	687
					04-05-75	825
					05-05-75	730
					06-17-75	663
					07-08-75	709
					07-18-75	694
					07-21-75	977
					07-29-75	691
					08-05-75	747
					08-12-75	676
					08-19-75	725
					09-03-75	713
					09-09-75	716
					09-18-75	747
					09-23-75	749
					09-30-75	765
Middle Loup River [1] (06778500)	Loup River	Lat 41°28'49", long 99°12'43", in NW1/4 sec.6, T.17 N., R.16 W., Custer County, at bridge on county-line highway 0.8 mile below part of river known as "Narrows" and 5.5 miles southeast of Comstock, Nebr.	--	1937*, 1969-74	10-02-74	356
					10-18-74	400
					10-23-74	460
					10-31-74	874
					11-14-74	892
					11-20-74	856
					12-05-74	1,030
					12-10-74	1,140
					12-18-74	900
					12-23-74	938
					01-16-75	671
					01-29-75	873
					02-11-75	808
					02-26-75	1,020
					03-18-75	1,520
					04-08-75	1,350
					05-01-75	600
					06-11-75	182
					07-02-75	402
					07-09-75	35
					07-18-75	21
					07-21-75	24
					07-31-75	23
					08-05-75	22
					08-12-75	68
					08-21-75	71
					09-03-75	79
					09-11-75	74
					09-18-75	619
					09-23-75	181
Mud Creek [1] (06783000)	South Loup River	Lat 41°22'30", long 99°35'10", in NW1/4SW1/4NW1/4 sec.11, T.16 N., R.20 W., Custer County, at bridge on State Highway 2 about 3 miles southeast of Broken Bow, Nebr.	--	1973-74	10-21-74	0.56
					11-19-74	1.0
					12-10-74	1.9
					01-21-75	2.2
					02-11-75	3.7
					03-05-75	1.5
					04-17-75	1.9
					05-28-75	1.0
					06-18-75	6.6
					07-09-75	3.1
					08-20-75	2.2
					09-11-75	1.4
Oak Creek	Middle Loup River	Lat 41°21'59", long 98°56'41", in SW1/4SE1/4 sec.8, T.16 N., R.14 W., Sherman County, at bridge on county road 6 miles north of Loup City, Nebr.	--	1974	11-15-74	0
					01-20-75	0
					02-18-75	0
					03-04-75	0
					04-08-75	0
					06-11-75	0
					07-01-75	0
					08-13-75	0
Oak Creek [1] (06784300)	Middle Loup River	Lat 41°17'36", long 98°52'04", in NW1/4NE1/4 sec.12, T.15 N., R.14 W., Sherman County, at bridge on county road 1.5 miles downstream from Sherman Dam and 5.1 miles northeast of Loup City, Nebr.	41.9	1952-60*, 1961-64*, 1973-74	11-15-74	4.8
					01-20-75	5.5
					02-18-75	5.4
					03-04-75	5.4
					04-08-75	6.0
					05-20-75	5.2
					06-16-75	9.2
					07-01-75	8.2
					08-13-75	6.0

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Platte River Basin--Continued				
Beaver Creek [1] (06793600)	Loup River	Lat 41°41'00", long 95°58'25", in NW1/4NW1/4NE1/4 sec.26, T.20 N., R.6 W., Boone County, at county road bridge 1.3 miles southeast of junction of State Highways 14, 39, and 19 at east edge of Albion, Nebr.	--	1973-74	10-24-74	47
					11-07-74	48
					12-05-74	49
					01-09-75	56
					03-13-75	45
					04-21-75	155
					05-12-75	90
					06-02-75	51
					07-14-75	24
					08-25-75	31
					09-17-75	40
Salt Creek [1] (06801330)	Platte River	Lat 40°38'41", long 96°41'11", in NW1/4SW1/4 sec.19, T.8 N., R.7 E., Lancaster County, at bridge on county road 1 mile south and 1.3 miles west of Roca, Nebr.	97.7	1971-74	11-21-74	4.4
					03-20-75	91
					06-05-75	11
					09-26-75	3.8
Salt Creek [1] (06803080)	Platte River	Lat 40°46'13", long 96°43'05", in SW1/4SW1/4 sec.2, T.9 N., R.6 E., Lancaster County, at bridge on county road 0.9 mile west of U.S. Highway 77 and at northwest corner of State Penitentiary, Lincoln, Nebr.	221	1971-74	10-16-74	6.1
					10-29-74	7.4
					01-08-75	14
					01-22-75	16
					02-18-75	15
					03-04-75	23
					03-20-75	195
					04-15-75	42
					06-10-75	85
					07-15-75	6.5
					08-05-75	35
					09-18-75	5.3
Middle Creek	Salt Creek	Lat 40°52'33", long 96°54'37", in NE1/4SE1/4 sec.36, T.11 N., R.4 E., Seward County, at county road bridge on Seward-Lancaster county line, 0.7 mile south of U.S. Highway 34, and 10 miles east-southeast of Seward, Nebr. (Revised)	--	1974	10-24-74	1.5
					11-15-74	1.6
					12-10-74	1.5
					01-09-75	1.4
					02-13-75	1.4
					03-28-75	4.5
					04-23-75	12
					06-30-75	1.8
					08-04-75	.60
Middle Creek Tributary	Middle Creek	Lat 40°53'12", long 96°54'53", in NE1/4NE1/4 sec.36, T.11 N., R.4 E., Seward County, at bridge on U.S. Highway 34, 9 miles east of Seward, Nebr.	--	1974	10-24-74	.70
					11-15-74	.75
					12-10-74	.83
					01-09-75	1.1
					02-13-75	.69
					03-28-75	5.0
					04-23-75	6.6
					06-30-75	.96
					08-04-75	.04
Middle Creek	Salt Creek	Lat 40°50'20", long 96°51'52", in SE1/4NW1/4 sec.16, T.10 N., R.5 E., Lancaster County, below Pawnee Lake Dam, 4.9 miles south of Malcolm, Nebr. (Revised)	--	1974	10-24-74	.09
					11-15-74	.11
					12-10-74	.12
					01-09-75	.20
					02-13-75	2.8
					03-28-75	18
					04-23-75	14
					06-30-75	4.5
					08-04-75	.10
Salt Creek [1] (06803190)	Platte River	Lat 40°50'03", long 96°42'03", in NE1/4SE1/4 sec.14, T.10 N., R.6 E., Lancaster County, at bridge at 14th Street at Lincoln, Nebr., 0.3 mile upstream from confluence with Oak Creek and 2.1 miles downstream from Middle Creek.	411	1971-74	11-22-74	27
					03-06-75	88
					06-05-75	55
					09-16-75	18
Antelope Creek [1] (06803405)	Salt Creek	Lat 40°49'44", long 96°41'58", in SW1/4SW1/4 sec.13, T.10 N., R.6 E., Lancaster County, at bridge on Court Street 0.1 mile upstream from confluence with Salt Creek at Lincoln, Nebr.	12.4	1971-74	11-22-74	1.2
					03-06-75	1.8
					06-05-75	2.4
					09-16-75	1.6
Oak Creek	Salt Creek	Lat 41°00'34", long 96°54'37", in NW1/4SW1/4 sec.18, T.12 N., R.5 E., Lancaster County, at county road bridge on Lancaster-Seward County line, 5.9 miles northeast of Garland, Nebr.	--	1974	10-24-74	1.9
					11-15-74	2.0
					12-10-74	1.9
					01-09-75	2.0
					02-13-75	2.3
					03-28-75	5.1
					04-23-75	12
					06-30-75	1.9
					08-04-75	.20

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Platte River Basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Middle Oak Creek	Oak Creek	Lat 40°58'48", long 96°55'46", in NW1/4SW1/4 sec.25, T.12 N., R.4 E., Seward County, on county road bridge 3.8 miles northeast of Garland, Nebr.	--	1974	10-24-74	1.9
					11-15-74	2.5
					12-10-74	2.3
					01-09-75	2.4
					02-13-75	2.4
					03-28-75	12
					04-23-75	15
					06-30-75	1.6
					08-04-75	.21
Oak Creek (06803450)	Salt Creek	Lat 40°57'59", long 96°50'30", in SW1/4NE1/4 sec.34, T.12 N., R.5 E., Lancaster County, on county road bridge 0.7 mile southeast of Branched Oak Lake Dam outlet, near Raymond, Nebr.	--	1963-67*, 1974	10-24-74	1.1
					11-15-74	.90
					12-10-74	.52
					01-09-75	1.1
					02-13-75	1.1
					03-28-75	37
					04-23-75	32
					06-30-75	16
					08-04-75	5.1
Oak Creek [1] (06803493)	Salt Creek	Lat 40°50'10", long 96°42'03", in SE1/4NE1/4 sec.14, T.10 N., R.6 E., Lancaster County, at bridge on 14th Street 0.2 mile upstream from confluence with Salt Creek, Lincoln, Nebr.	258	1971-74	11-22-74	18
					03-06-75	43
					06-05-75	40
					09-16-75	7.8
Salt Creek [1] (06803525)	Platte River	Lat 40°54'18", long 96°35'09", in NW1/4SW1/4 sec.24, T.11 N., R.7 E., Lancaster County, at bridge 0.5 mile north of Interstate Highway 80 and 3 miles southwest of Waverly, Nebr.	815	1971-74	10-16-74	80
					10-29-74	116
					01-08-75	93
					01-22-75	89
					02-18-75	110
					03-04-75	166
					03-20-75	1,040
					04-15-75	242
					07-15-75	69
					08-05-75	90
					09-15-75	53
Salt Creek [1] (06803565)	Platte River	Lat 41°01'34", long 96°24'22", in NW1/4NW1/4 sec.10, T.12 N., R.9 E., Saunders County, at bridge on county road 2 miles southwest of Ashland, Nebr.	1,118	1971-74	10-09-74	102
					11-19-74	140
					12-19-74	145
					01-08-75	153
					02-11-75	211
					03-04-75	266
					04-15-75	320
					05-22-75	167
					06-27-75	236
					07-16-75	105
					08-07-75	126
					09-17-75	98
Silver Creek (06804495)	Wahoo Creek	Lat 41°12'22", long 96°32'37", in NE1/4NE1/4 sec.8, T.14 N., R.8 E., Saunders County, at bridge on county road 3.9 miles east of intersection of 1st Street and U.S. Highway 77 in Wahoo, Nebr.	--	1974	10-23-74	4.2
					11-21-74	4.8
					12-06-74	6.8
					01-08-75	5.3
					02-13-75	5.1
					03-14-75	5.8
					04-03-75	9.7
					05-12-75	7.4
					06-06-75	5.9
					07-15-75	4.9
					08-06-75	4.4
					09-15-75	3.7
Mill Creek [1] (06805499)	Platte River	Lat 41°00'13", long 96°09'35", in NE1/4SE1/4SE1/4 sec.15, T.12 N., R.11 E., Cass County, at railroad bridge at north edge of Louisville, Nebr.	--	1973-74	10-02-74	1.2
					05-28-75	8.8
					06-26-75	2.3
Cedar Creek [1] (06805525)	Platte River	Lat 41°00'05", long 96°07'15", in SE1/4SE1/4SE1/4 sec.13, T.12 N., R.11 E., Cass County, at bridge on State Highway 66, 2.0 miles east of Louisville, Nebr.	--	1973-74	10-02-74	1.8
					05-28-75	18
					06-26-75	6.0
Fourmile Creek (06805565)	Platte River	Lat 41°01'02", long 95°57'46", in SE1/4SW1/4 sec.9, T.12 N., R.13 E., at county road bridge 1 mile north of State Highway 66, 3.25 miles west of Maiden Lane in Plattsmouth, and 3.67 miles upstream from mouth.			05-28-75	34
					06-26-75	17

Weeping Water Creek basin

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Weeping Water Creek [1] (06806460) *	Missouri River	Lat 40°51'18", long 96°07'10", in NW1/4NW1/4 sec.7, T.10 N., R.12 E., Cass County, at bridge of Missouri Pacific Railroad just south of north-south road, 1 mile southeast of Weeping Water, Nebr.	--	1947, 1950-74	10-02-74	4.2
					05-07-75	32
					06-18-75	63
					06-26-75	24

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Weeping Water Creek basin--Continued						
South Branch Weeping Water Creek [1] (06806495)	Weeping Water Creek	Lat 40°48'45", long 95°56'43", in SW1/4SE1/4SW1/4 sec.22, T.10 N., R.13 E., Cass County, at bridge on U.S. Highway 34, 1.1 miles west of Union Nebr.	--	1973-74	10-02-74 05-28-75 06-26-75	5.7 40 16
Kansas River basin						
Spring Creek	Red Willow Creek	Lat 40°26'10", long 100°42'00", in NW1/4NW1/4 sec. 2, T.5 N., R.30 W., Frontier County, at county road bridge, 2.7 miles west of Quick, Nebr. and 2.8 miles east of Saint Ann, Nebr.	--	1974	02-24-75 03-24-75 04-21-75 05-21-75 06-16-75	0 0 0 0 0
Rope Creek	Republican River	Lat 40°06'35", long 99°25'05", in center of sec.25, T.2 N., R.19 W., Harlan County, at county bridge, 2.5 miles southeast of Orleans, Nebr.	--	1974	10-01-74 11-11-74 12-10-74 01-06-75 02-03-75 03-03-75 04-01-75 04-28-75 05-27-75 06-24-75	.12 .45 .75 .68 .90 1.1 1.0 1.0 .58 1.6
Prairie Dog Creek	Republican River	Lat 40°00'27", long 99°24'12", in NW1/4SW1/4 sec.31, T.1 N., R.18 W., Harlan County, at county road bridge, 7 miles south and 2 miles west of Alma, Nebr.	--	1974	10-01-74 11-11-74 12-10-74 02-03-75 03-03-75 04-01-75 04-28-75 05-27-75 06-24-75	0 2.0 1.2 2.9 7.4 3.7 4.4 2.0 16
Republican River (06851090)	Kansas River	Lat 40°05'26", long 98°46'03", in SE1/4SE1/4 sec.34, T.2 N., R.13 W., Franklin County at bridge on county road 0.5 miles west of Riverton.	21,300		07-08-75	1,010
West Thompson Creek (06851400)	Thompson Creek	Lat 40°17'32", long 98°56'10", in NE1/4NE1/4 sec.30, T.4 N., R.14 W., Franklin County, on State Highway 4, 3 miles southwest of Upland.	128		06-10-75	36.4
Beaver Creek (06853100)	Republican River	Lat 40°15'47", long 98°22'31", in NW1/4NE1/4 sec.6, T.3 N., R.9 W., Webster County, at county road bridge, 1.8 miles southwest of Rosemont.	.752		04-29-75	0
Big Blue River (06879855)	Kansas River	Lat 41°01'54", long 97°49'33", in NW1/4NW1/4 sec.7, T.12 N., R.4 W., York County, at bridge on county line road 2.5 miles west of Arborville, Nebr.	--	1970b, 1974	07-10-75 08-07-75 08-26-75 09-16-75	.47 2.0 0 0
Lincoln Creek (06879980)	Big Blue River	Lat 40°54'23", long 97°49'26", NW1/4SW1/4 sec.19, T.11 N., R.4 W., York County, at bridge on county line 4 miles northeast of Hampton, Nebr.	--	1969-70b, 1974	07-10-75 08-07-75 08-26-75 09-16-75	4.4 6.4 7.2 .02
Coon Branch (06879985)	Lincoln Creek	Lat 40°58'26", long 97°41'02", in NE1/4NW1/4 sec.32, T.12 N., R.3 W., York County at county road bridge, 4.6 miles southwest of Benedict.	4.5		04-29-75 05-23-75 06-09-75 06-18-75 07-11-75 08-01-75 08-01-75 08-07-75 08-26-75 09-16-75	0 0 .60 155 .67 3.2 1.4 1.2 0 0
Lincoln Creek (06879995)	Big Blue River	Lat 40°57'51", long 97°20'44", NE1/4NW1/4 sec.36, T.12 N., R.1 W., Seward County, at county road bridge 4.5 miles north of Utica, Nebr.	--	1968-70b, 1974	07-11-75 08-11-75 08-27-75 09-17-75	21 18 15 .2
Big Blue River [1] (06880520)	Kansas River	Lat 40°52'15", long 97°04'28", in NE1/4NE1/4NW1/4 sec.3, T.10 N., R.3 E., Seward County, at county road bridge 2.5 miles southeast of Seward, Nebr.	--	1973-74	10-08-74 11-05-74 12-03-74 01-06-75 02-20-75 03-11-75 04-03-75 05-15-75 06-03-75 07-14-75 08-05-75 09-26-75	9.6 21 16 22 22 43 39 66 47 40 24 9.5

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Kansas River basin--Continued						
West Fork Big Blue River [1] (06880556)	Big Blue River	Lat 40°36'28", long 98°20'06", in NW1/4NW1/4 sec.3, T.7 N., R.9 W., Adams County, at county road bridge 2 miles northeast of Hastings, Nebr.	--	1973-74	10-29-74	11
					11-25-74	10
					03-12-75	6.3
					04-15-75	4.8
					05-28-75	16
					06-23-75	28
					07-23-75	138
					08-19-75	17
					09-15-75	6.9
West Fork Big Blue River (06880610)	Big Blue River	Lat 40°43'28", long 97°50'35", SW1/4SW1/4 sec.19, T.9 N., R.4 W., Hamilton County, at county road bridge 5.4 miles east of Stockham, Nebr.	--	1969-70b, 1974	07-10-75	45
					08-08-75	100
					08-27-75	61
					09-16-75	6.5
School Creek (06880745)	West Fork Big Blue River	Lat 40°38'25", long 97°46'58", NE1/4NE1/4 sec.25, T.8 N., R.5 W., Clay County, at county road bridge on county line 3 miles northeast of Sutton, Nebr.	--	1974	07-10-75	14
					08-08-75	14
					08-27-75	7.3
					09-16-75	.2
West Fork Big Blue River (06880760)	Big Blue River	Lat 30°47'10", long 97°21'53", SE1/4SE1/4 sec.36, T.10 N., R.1 W., Seward County, at bridge on county line 4 miles west of Beaver Crossing, Nebr.	--	1969-70b, 1974	07-11-75	83
					08-11-75	101
					08-27-75	69
					09-17-75	22
Beaver Creek (06880770)	West Fork Big Blue River	Lat 40°51'33", long 97°49'26", in SW1/4SW1/4 sec.6, T.10 N., R.4 W., York County, at bridge on county-line road 4 miles southeast of Hampton, Nebr.	--	1969-70b, 1972-74	07-10-75	5.2
					08-08-75	14
					08-26-75	6.0
					09-16-75	0
Beaver Creek (06880785)	West Fork Big Blue River	Lat 40°47'49", long 97°20'44", NE1/4SE1/4 sec.25, T.10 N., R.1 W., Seward County, at county road bridge 3.5 miles northwest of Beaver Crossing, Nebr.	--	1968-70b, 1974	07-11-75	18
					08-11-75	23
					08-27-75	12
					09-17-75	2.6
Indian Creek (06880788)	West Fork Big Blue River	Lat 40°43'15", long 97°21'53", SE1/4NE1/4 sec.25, T.9 N., R.1 W., Seward County, at bridge on county line 1 mile west of Cordova, Nebr.	--	1969-70b, 1974	07-11-75	1.4
					08-11-75	5.2
					08-27-75	.34
					09-17-75	0
Big Sandy Creek (06883583)	Little Blue River	Lat 40°21'02", long 97°52'37", in SW1/4SW1/4 sec.34, T.5 N., R.5 W., Clay County, at county road bridge 4 miles southwest of Ong, Nebr.	--	1970b, 1974	07-10-75	4.2
					08-08-75	15
					08-27-75	14
					09-16-75	.03
Little Sandy Creek (06883590)	Big Sandy Creek	Lat 40°22'56", long 97°49'26", in SE1/4SE1/4 sec.24, T.5 N., R.5 W., Clay County, at county road bridge 1.2 miles southeast of Ong, Nebr.	--	1970b, 1974	07-10-75	8.0
					08-08-75	8.5
					08-27-75	7.9
					09-16-75	0

* Also a crest-stage gage.

Operated as a continuous-record gaging station.

[1] Also published with additional data in Part 2 of this report.

a Gage heights, or gage heights and discharge measurements only.

b Published as a low-flow partial-record station.

Two series of discharge measurements were made in Chase and Perkins Counties, Nebr., during the 1975 water year. All tributaries on the north side of the Republican River and the Frenchman Creek and its tributaries were measured on May 19, 20 and July 14, 15, 18. The data collected will be used to determine ground-water surface-water relationships and stream depletions due to irrigation well withdrawals. The measurements are listed in downstream order.

Location	Measured discharge, in cubic feet per second	
	May 19,20	July 14,15,18
Buffalo Creek between secs.26 and 35, T.2 N., R.41 W.	9.0	7.4
Rock Creek above fish hatchery in SE¼SW¼ sec.13, T.2 N., R.40 W.	.40	.25
Rock Creek below fish hatchery in SE¼ sec.25, T.2 N., R.40 W.	8.2	7.6
Rock Creek at recreation area in NW¼SE¼ sec.31, T.2 N., R.39 W.	11	12
Rock Creek at Parks in SW¼NE¼ sec.21, T.1 N., R.39 W.	14	12
Horse Creek near Parks in SW¼ sec.2, T.1 N., R.39 W.	.11	.02
Spring Creek 7 mi northwest of Benkelman in NW¼NE¼ sec.34, T.2 N., R.38 W..	.08	.....
Spring Creek near Benkelman in SE¼SE¼ sec.2, T.1 N., R.38 W.	.55	.19
Indian Creek 8.5 mi north of Benkelman in sec.6, T.2 N., R.37 W.	.33	.17
Indian Creek 9 mi northeast of Benkelman in SE¼ sec.5, T.2 N., R.37 W.	.59	.21
Rock Canyon 5 mi northwest of Max in SW¼SE¼ sec.12, T.2 N., R.37 W.	0	.05
Indian Creek 4 mi northwest of Max in SE¼SE¼ sec.12, T.2 N., R.37 W.	3.7	2.3
Indian Creek 2 mi north of Max in NE¼SE¼ sec.17, T.2 N., R.36 W.	3.2	1.7
Indian Creek 3 mi northeast of Max in NE¼NE¼ sec.22, T.2 N., R.36 W	3.5	2.1
Muddy Creek northwest of Max in NW¼NW¼ sec.35, T.4 N., R.37 W.	0	0
Muddy Creek 11 mi north of Max in sec.7, T.3 N., R.36 W.	0	0
Muddy Creek 7 mi north of Max in SW¼NW¼ sec.27, T.3 N., R.36 W.	.47	.43
Muddy Creek 6 mi northeast of Max in NW¼SW¼ sec.1, T.2 N., R.36 W.	.52	.23
Frenchman Creek 3.5 mi south of Lamar in NE¼SE¼ sec.32, T.7 N., R.41 W.	0	.....
Frenchman Creek above Arterburn Lake in SW¼SE¼ sec.3, T.6 N., R.41 W.	.89	.62
Frenchman Creek below Arterburn Lake in SW¼ sec.12, T.6 N., R.41 W.	.06	.04
Maranville Canal in NW¼ sec.13, T.6 N., R.41 W.	0	1.2
Maranville flowing well in SW¼ sec.13, T.6 N., R.41 W.	.18	.13
Waln Slough near Lamar in NW¼SW¼ sec.17, T.6 N., R.40 W.	.04	.02
Kimberling flowing well in SE¼SW¼ sec.17, T.6 N., R.40 W.	.96	.....
Kimberling flowing well in NE¼NW¼ sec.20, T.6 N., R.40 W.	.....	1.0
Frenchman Creek above McGuires Slough in NE¼ sec.20, T.6 N., R.40 W.	9.9	9.0
McGuires Slough near Champion in SE¼NE¼ sec.20, T.6 N., R.40 W.	1.4	1.1
Frenchman Creek above Kilpatrick Reservoir No. 1 in NE¼NE¼ sec.21, T.6 N., R.40 W.	14	12
Kimberling flowing well in NW¼SE¼ sec.19, T.6 N., R.39 W.	.....	2.2
Frenchman Creek below Kilpatrick Reservoir No. 1 in NE¼SE¼ sec.22, T.6 N., R.40 W.	.....	.77
Champion Canal near Champion in SW¼ sec.23, T.6 N., R.40 W.	.....	10
Frenchman Creek near Champion in sec.24, T.6 N., R.40 W.	9.0	8.9
Beard flowing well in NW¼SE¼ sec.19, T.6 N., R.39 W.	2.1	2.2
Davison Branch near Champion in NE¼NW¼ sec.20, T.6 N., R.39 W.	.24	.15
Frenchman Creek above Mill Pond in NE¼NE¼ sec.20, T.6 N., R.39 W.	20	17
Sand Creek near Champion in NE¼SE¼ sec.22, T.6 N., R.39 W.	.03	.22
Frenchman Creek below Sand Creek in SW¼SW¼ sec.23, T.6 N., R.39 W.	22	21
Foerster Branch near Champion in SW¼NW¼ sec.26, T.6 N., R.39 W.	0	0

Location	Measured discharge, in cubic feet per second	
	May 19,20	July 14,15,18
Frenchman Creek south of Imperial in SE¼ sec.31, T.6 N., R.38 W.	33	32
Frenchman Creek near Imperial in SW¼NW¼ sec.3, T.5 N., R.38 W.	38	35
Unnamed Canyon at Enders Dam in SE¼NW¼ sec.10, T.5 N., R.37 W.	.19	.....
Frenchman Creek below Enders Reservoir in SE¼SE¼ sec.3, T.5 N., R.37 W.	7.8	.....
Unnamed Canyon below Enders Dam in NE¼SW¼ sec.2, T.5 N., R.37 W.	0	.....
Frenchman Creek 5 mi west of Wauneta in SW¼SW¼ sec.1, T.5 N., R.37 W.	11	.....
Frenchman Creek 3.5 mi west of Wauneta in NW¼NW¼ sec.8, T.5 N., R.36 W.	14	.....
Unnamed Canyon at Wauneta in SE¼SW¼ sec.3, T.5 N., R.36 W.	0	.....
Unnamed Canyon at Wauneta in NE¼NE¼ sec.10, T.5 N., R.36 W.	0	.....
Frenchman Creek at Wauneta in NE¼ sec.11, T.5 N., R.36 W.	20	.....
Unnamed Canyon 1 mi east of Wauneta in SW¼NE¼ sec.12, T.5 N., R.36 W.	0	.....
Frenchman Creek at Chase County line in SE¼SE¼ sec.12, T.5 N., R.36 W.	18	.....
Stinking Water Creek near Perkins County line in NE¼SE¼ sec.6, T.8 N., R.36 W.	.55	.20
Stinking Water Creek 2.5 mi south of Perkins County line in W½ sec.16, T.8 N., R.36 W.	1.3	1.4
Stinking Water Creek near Imperial in NE¼SE¼ sec.28, T. 8 N., R.36 W.	2.9	2.1
Stinking Water Creek near Imperial in SW¼SW¼SW¼ sec.2, T.7 N., R.36 W.	5.3	4.2
Cliff Dwellers Canyon near Imperial in SW¼SE¼ sec.2, T.7 N., R.36 W.	0	0
Stinking Water Creek near Imperial in SE¼SE¼ sec.23, T.7 N., R.36 W.	5.3	3.8
Stinking Water Creek above Spring Creek in SE¼SW¼ sec.1, T.6 N., R.36 W.	6.0	5.7
Spring Creek 11 mi northwest of Imperial in NE¼SE¼ sec.30, T.8 N., R.38 W.	.22	.06
Spring Creek 8 mi northwest of Imperial in SE¼SW¼ sec.33, T.8 N., R.38 W.	.73	.46
Spring Creek 6 mi north of Imperial in SW¼SW¼SW¼ sec.3, T.7 N., R.38 W.	1.2	1.1
Spring Creek 6 mi northeast of Imperial in NW¼SE¼ sec.13, T.7 N., R.38 W.	4.2	4.4
Spring Creek 8 mi northeast of Imperial in SE¼NE¼ sec.29, T.7 N., R.37 W.	6.6	7.8
Spring Creek 10 mi east of Imperial in SE¼NE¼ sec.36, T.7 N., R.37 W.	9.2	9.8
Spring Creek 9 mi northwest of Wauneta in SE¼SE¼ sec.32, T.7 N., R.36 W.	9.8	11
Spring Creek 8 mi north of Wauneta in SW¼NW¼ sec.3, T.6 N., R.36 W.	11	11
Spring Creek above Stinking Water Creek in SW¼NW¼ sec.12, T.6 N., R.36 W.	11	9.7
Stinking Water Creek below Spring Creek in SE¼SE¼ sec.12, T.6 N., R.36 W.	19	16

SECTION 2. WATER-QUALITY RECORDS

06459200 SNAKE RIVER ABOVE MERRITT RESERVOIR, NEBR.

LOCATION.--Lat 42°35'40", long 101°02'20", in NE¼ sec.11, T.30 N., R.32 W., Cherry County, temperature recorder at gaging station, on left bank 5 ft (2 m) upstream from steel piling control, 1,200 ft (366 m) upstream from Shelbourn Bridge, 0.7 mi (1.1 km) northwest of Swanson Camp, 8.5 mi (13.7 km) southeast of headquarters for Nebraska National Forest (Niobrara Division), 10 mi (16.1 km) upstream from Boardman Creek, and 14.5 mi (23.3 km) upstream from Merritt Dam.

DRAINAGE AREA.--440 mi^2 (1,140 km^2), approximately, of which about 28 mi^2 (73 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1963 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 31.0°C July 2, 26; minimum, freezing point on many days during December to February.

Period of record:
Water temperatures: Maximum (1963-66, 1968-69, 1970-74), 32.0°C July 18, 1974; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	8.5	9.0	7.0	1.0	0.5	0.5	0.0	0.5	0.0	8.5	4.5
2	14.0	6.5	8.5	7.0	1.0	0.5	0.0	0.0	0.5	0.0	6.0	3.5
3	17.0	10.0	8.0	5.5	2.0	0.5	0.5	0.0	3.5	0.5	5.0	2.0
4	16.0	11.5	8.0	3.5	5.0	1.5	0.0	0.0	0.5	0.5	9.5	3.5
5	13.0	10.0	9.0	4.5	6.0	3.0	0.5	0.0	0.5	0.5	10.5	5.5
6	13.0	7.0	9.0	4.5	6.0	4.0	1.5	0.5	0.5	0.0	8.5	3.0
7	14.5	7.0	9.5	5.0	4.5	0.5	3.5	1.5	0.5	0.0	6.0	1.0
8	16.5	9.5	9.5	5.5	0.5	0.5	2.0	0.5	0.5	0.0	4.0	1.0
9	16.5	10.5	8.5	6.0	4.0	0.5	1.5	0.5	0.5	0.0	2.0	1.0
10	18.0	12.0	9.0	5.5	4.0	1.0	0.5	0.5	0.0	0.0	3.5	1.0
11	17.0	13.0	7.0	4.5	3.5	1.5	0.5	0.5	0.0	0.0	3.5	2.0
12	13.5	10.0	5.5	3.0	4.0	1.5	0.5	0.5	0.5	0.0	5.5	1.0
13	15.0	9.5	5.5	2.0	4.0	2.0	0.5	0.0	0.5	0.0	8.5	1.5
14	11.0	6.5	4.5	1.0	2.0	1.5	0.0	0.0	0.5	0.0	11.0	4.0
15	11.0	5.5	5.5	2.0	2.0	1.0	0.0	0.0	0.5	0.5	12.0	6.0
16	14.5	8.0	7.0	3.5	2.0	0.5	0.5	0.0	0.5	0.5	11.5	6.0
17	15.5	9.5	8.0	4.5	2.0	0.5	0.0	0.0	0.5	0.0	10.0	7.0
18	15.0	10.0	9.0	4.5	3.5	1.0	0.5	0.0	0.5	0.0	12.0	5.5
19	15.0	9.5	8.5	6.0	3.5	1.0	0.5	0.0	0.0	0.0	15.0	6.0
20	14.0	9.5	7.0	4.0	3.5	1.0	1.0	0.0	0.0	0.0	14.0	7.0
21	15.5	9.5	8.5	4.0	3.0	1.0	1.5	0.0	1.5	0.0	12.0	8.5
22	14.0	9.5	9.5	5.5	3.5	1.0	3.0	0.0	1.5	0.0	8.5	5.5
23	13.5	9.5	8.0	3.5	1.0	0.5	4.0	1.0	0.5	0.0	8.0	1.0
24	15.0	11.0	5.5	2.0	0.5	0.5	5.0	3.0	5.5	0.5	1.0	1.0
25	13.5	9.0	6.0	2.0	0.5	0.0	3.5	0.5	5.5	0.5	4.0	0.5
26	13.5	8.5	5.5	4.0	0.0	0.0	3.0	1.5	5.0	0.5	2.0	1.0
27	15.0	10.0	4.0	1.5	0.0	0.0	1.5	0.5	6.0	1.5	1.0	1.0
28	13.0	10.0	3.5	1.0	0.0	0.0	0.5	0.5	8.0	1.5	1.0	1.0
29	14.0	11.5	1.0	1.0	0.0	0.0	0.5	0.0	---	---	1.0	0.5
30	12.0	11.0	1.0	1.0	0.5	0.0	0.5	0.0	---	---	1.0	0.5
31	11.5	9.0	---	---	1.0	0.0	0.5	0.0	---	---	1.0	0.5
MONTH	18.0	5.5	9.5	1.0	6.0	0.0	5.0	0.0	8.0	0.0	15.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.0	0.5	15.0	8.5	20.0	13.0	29.0	23.0	26.0	20.0	24.0	19.0
2	1.5	0.5	16.5	10.5	24.5	14.0	31.0	22.0	28.5	19.5	21.5	18.5
3	2.0	0.5	19.0	10.0	26.0	16.5	30.0	23.0	29.0	19.0	23.0	15.5
4	11.0	2.0	22.0	11.5	23.0	17.0	30.5	23.0	28.0	20.0	20.5	16.0
5	14.5	6.0	20.5	14.0	24.5	16.0	30.0	23.0	27.0	19.0	24.5	16.5
6	12.0	9.5	19.0	14.5	26.0	17.0	30.5	24.0	26.0	18.5	23.0	15.5
7	9.5	6.5	18.5	11.5	25.0	16.5	30.5	22.0	28.0	19.0	22.0	16.5
8	11.5	5.0	19.0	12.0	20.0	17.0	28.0	23.0	27.0	18.5	21.0	15.0
9	13.0	7.0	20.5	12.0	19.0	14.5	28.0	21.0	27.0	19.0	24.5	16.5
10	11.0	8.0	18.0	12.0	16.0	12.0	26.0	21.0	26.5	19.0	25.0	19.0
11	9.5	6.5	18.5	11.5	20.5	13.0	24.0	19.0	28.5	19.0	21.5	14.5
12	10.5	5.5	16.0	12.0	24.5	14.0	25.5	18.5	25.5	21.0	19.5	11.0
13	9.5	6.0	19.0	11.5	26.0	16.5	26.0	19.5	21.0	17.0	20.0	13.0
14	15.0	6.5	21.0	13.0	22.0	18.0	26.5	19.0	20.5	16.5	18.0	13.5
15	15.5	9.5	22.0	13.0	24.5	15.5	27.0	21.0	25.5	16.0	23.0	14.0
16	18.0	10.5	22.0	14.0	26.5	17.0	27.0	21.0	26.5	18.0	23.5	15.5
17	15.5	9.5	24.5	15.0	22.0	15.5	28.0	21.0	26.5	19.5	23.0	16.5
18	9.5	6.0	25.0	18.0	19.0	16.0	29.0	21.5	25.0	18.5	19.0	13.5
19	12.0	4.5	23.0	16.0	27.0	17.0	29.5	22.0	27.0	19.0	15.0	10.0
20	13.0	7.0	20.0	11.5	28.0	19.5	28.0	21.0	28.0	20.5	14.0	8.5
21	18.0	9.0	12.0	10.0	23.0	19.5	28.5	21.0	25.0	20.5	15.5	9.0
22	16.5	10.5	17.0	11.5	25.0	17.0	25.5	21.5	28.5	20.5	18.0	10.0
23	19.5	11.0	18.5	12.0	27.0	19.5	26.5	20.5	26.0	19.5	18.0	11.0
24	19.0	13.0	20.5	12.0	27.0	21.0	28.5	20.0	24.5	19.0	18.0	10.5
25	19.0	11.5	18.5	13.0	26.5	21.0	30.0	20.0	23.0	15.0	17.0	10.0
26	22.0	15.0	20.5	10.5	26.0	19.0	31.0	20.5	24.5	15.5	18.0	10.5
27	20.0	15.5	20.5	12.0	26.0	20.5	29.5	21.5	26.0	18.5	15.5	11.5
28	16.5	8.5	18.0	14.5	29.5	21.5	27.0	20.0	25.0	18.5	15.5	11.5
29	11.5	5.5	16.5	11.5	28.5	23.0	28.5	19.5	24.0	19.0	15.5	10.5
30	12.0	6.5	21.5	11.0	30.0	22.0	26.5	21.0	24.5	16.5	15.0	11.0
31	---	---	18.5	14.5	---	---	27.0	20.0	27.0	19.5	---	---
MONTH	22.0	0.5	25.0	8.5	30.0	12.0	31.0	18.5	29.0	15.0	25.0	8.5

06462000 NIOBRARA RIVER NEAR NORDEN, NEBR.

LOCATION.--Lat 42°47'13", long 100°02'06", in N½SW¼ sec.23, T.33 N., R.23 W., Keya Paha County, at gaging station at county road bridge, 1.5 mi (2.4 km) downstream from Fairfield Creek, and 6 mi (10 km) south of Norden.

DRAINAGE AREA.--8,390 mi^2 (21,700 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1963 to October 1966, July 1974 to September 1975.
Water temperatures: July 1974 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 318 micromhos Jan. 12; minimum daily, 208 micromhos Mar. 4.
Water temperatures: Maximum, 27.0°C June 27, 28, 29, July 1, 2; minimum, freezing point on several days during December to February.

Period of record:
Specific conductance: maximum daily, 318 micromhos Jan. 12, 1975; minimum daily, 208 micromhos Mar. 4, 1975.
Water temperatures: Maximum, 27.0°C June 27, 28, 29, July 1, 2, 1975; minimum, freezing point on several days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 02...	1445	570	55	50	30	31	5.1	9.9	5.5	141
NOV. 11...	1630	601	54	20	0	32	5.1	9.5	4.8	137
DEC. 02...	1545	704	55	20	0	33	4.0	8.7	5.9	138
FEB. 05...	1110	500	59	40	10	33	3.8	9.3	6.5	134
MAR. 17...	1440	990	49	20	30	30	4.3	8.8	6.6	126
APR. 09...	1120	1350	44	30	10	32	4.3	9.4	6.6	138
MAY 19...	1110	722	50	20	5	35	4.1	10	7.6	144
JUNE 10...	0920	806	48	270	0	35	4.0	8.8	6.2	135
JULY 23...	1130	541	54	0	10	28	4.9	9.0	8.1	125
AUG. 13...	1330	456	55	20	--	32	4.7	8.9	7.0	134
SEP. 24...	1105	569	53	10	10	31	.9	9.6	6.1	132

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 02...	0	116	7.5	1.9	.3	.19	.08	187	.25
NOV. 11...	0	112	6.4	2.0	.3	.26	.05	183	.25
DEC. 02...	0	113	6.4	1.0	.3	.50	.11	185	.25
FEB. 05...	0	110	7.3	2.7	.4	.60	.10	191	.26
MAR. 17...	0	103	6.8	1.1	.4	.40	.08	171	.23
APR. 09...	0	113	7.8	1.8	.6	.52	.09	177	.24
MAY 19...	0	118	7.2	2.2	.4	.02	.05	188	.26
JUNE 10...	0	111	7.4	1.3	.3	.07	.10	178	.24
JULY 23...	0	103	6.1	1.0	.4	.04	.04	173	.24
AUG. 13...	0	110	7.7	1.5	.4	.01	.02	192	.26
SEP. 24...	0	108	6.0	1.8	.3	.19	.06	175	.24

06462000 NIOBRARA RIVER NEAR NORDEN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 02...	288	98	0	.4	242	7.6	14.0	20	30
NOV. 11...	297	100	0	.4	236	7.8	5.0	3	30
DEC. 02...	352	99	0	.4	229	7.5	.0	8	50
FEB. 05...	258	98	0	.4	228	7.3	.0	3	40
MAR. 17...	457	93	0	.4	219	7.7	7.5	3	20
APR. 09...	645	98	0	.4	243	7.7	8.0	15	30
MAY 19...	366	100	0	.4	250	8.1	22.0	8	20
JUNE 10...	387	100	0	.4	227	7.7	16.0	10	60
JULY 23...	253	90	0	.4	219	8.1	27.5	8	30
AUG. 13...	236	99	0	.4	225	8.2	22.0	17	20
SEP. 24...	269	81	0	.5	220	7.7	14.5	6	20

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	267	240	239	242	235	226	256	242	239	232	240
2	237	233	241	234	235	216	220	250	240	235	222	233
3	220	235	245	246	229	216	234	256	234	236	233	236
4	243	237	230	244	228	208	231	237	231	239	244	234
5	239	239	228	224	240	221	242	258	234	239	240	232
6	237	241	230	226	255	211	244	250	238	238	236	232
7	237	247	234	220	266	212	247	258	238	231	238	230
8	243	250	232	229	261	226	253	258	242	236	236	233
9	242	248	238	218	235	227	248	260	233	232	239	237
10	242	239	230	233	231	227	261	259	250	235	251	249
11	246	235	227	292	230	232	262	253	240	241	236	236
12	244	244	233	318	230	225	278	253	239	233	241	240
13	238	243	224	302	227	226	255	245	235	236	237	234
14	242	247	225	278	221	226	257	246	239	240	238	233
15	260	243	221	230	226	232	250	254	242	239	238	231
16	238	242	229	242	220	232	249	254	232	242	237	233
17	239	239	232	233	222	228	243	249	233	239	233	230
18	247	240	224	241	223	232	245	255	235	228	235	230
19	247	245	232	227	220	230	244	251	245	220	227	232
20	235	246	228	229	218	228	238	258	230	235	229	229
21	238	248	218	230	217	229	252	253	225	229	226	239
22	250	248	228	234	224	221	246	251	230	227	219	234
23	238	232	228	218	223	221	243	251	231	232	253	231
24	239	221	245	221	223	231	242	244	238	231	238	230
25	240	219	256	221	218	229	256	244	236	233	240	230
26	251	225	258	222	212	237	238	239	244	233	240	234
27	238	215	244	224	215	226	236	240	245	241	237	234
28	242	272	235	228	214	222	237	242	229	236	248	232
29	248	237	232	226	---	222	233	242	243	225	232	235
30	234	224	242	229	---	223	229	237	233	229	235	234
31	238	---	246	229	---	231	---	245	---	232	228	---
MONTH	241	240	234	238	229	225	245	250	237	234	236	234

06462000 NIOBRARA RIVER NEAR NORDEN, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	9.0	1.0	1.0	1.0	1.0	1.0	13.5	15.0	27.0	23.0	13.0
2	10.0	9.0	2.5	1.0	1.0	1.0	1.0	14.5	15.0	27.0	24.0	14.0
3	11.0	6.0	0.5	1.0	1.0	2.0	1.0	17.0	16.0	24.0	22.0	13.0
4	13.5	4.5	2.5	1.0	1.0	1.0	3.0	18.0	21.0	24.5	23.5	12.0
5	11.0	4.5	0.5	1.0	0.0	1.0	5.0	19.0	20.0	24.0	21.0	13.0
6	6.5	4.0	3.0	2.0	0.0	2.0	5.0	19.0	20.5	25.0	20.0	14.0
7	7.5	5.5	3.0	1.5	1.0	2.0	7.0	17.0	20.0	24.0	20.0	13.5
8	8.5	7.0	0.5	1.0	0.0	1.0	7.0	14.0	17.0	24.5	19.0	10.0
9	14.5	7.0	2.5	2.0	0.0	1.0	9.0	14.0	17.5	24.0	20.0	11.0
10	14.0	5.0	1.5	1.0	0.0	1.5	7.0	14.0	18.0	21.0	19.0	10.0
11	13.5	5.0	2.0	0.0	1.0	1.0	7.0	15.0	17.0	20.0	21.0	9.5
12	11.5	5.0	1.5	1.0	0.0	1.0	7.0	14.0	18.5	16.5	19.5	8.0
13	10.0	4.0	1.0	1.0	0.0	2.0	6.5	19.0	22.0	19.0	17.5	8.5
14	8.5	3.0	1.5	2.0	1.0	2.0	6.0	16.0	21.0	20.0	17.0	12.0
15	6.5	2.0	0.0	1.0	1.0	3.0	8.0	17.0	22.0	22.0	15.0	12.5
16	8.0	4.0	0.5	1.0	1.0	4.0	10.0	20.5	23.0	24.0	17.0	12.0
17	9.5	4.0	0.5	1.0	1.0	6.0	13.0	22.0	20.0	24.5	16.0	12.0
18	10.5	4.0	3.0	2.0	1.0	6.0	7.0	20.0	20.0	25.0	16.0	10.0
19	9.5	6.0	1.5	1.0	2.0	6.0	7.0	21.0	22.0	24.5	17.0	8.5
20	9.5	4.0	1.0	2.0	2.0	7.0	8.5	18.0	21.0	19.0	17.5	8.0
21	16.0	3.5	1.0	1.0	1.0	9.0	9.0	15.0	22.0	22.0	17.0	7.0
22	10.5	5.0	2.0	2.0	1.0	7.0	10.0	15.5	23.0	19.0	17.0	9.0
23	9.5	4.0	1.0	2.0	1.0	3.0	10.0	16.0	25.0	18.0	18.0	9.5
24	10.0	3.0	1.0	2.0	1.0	1.0	11.5	17.0	25.0	20.0	17.5	9.0
25	10.5	2.0	0.5	0.0	1.0	1.0	12.0	17.5	26.0	22.0	14.0	9.0
26	8.0	3.0	1.5	2.0	2.0	1.0	13.5	14.5	26.0	23.0	14.0	10.5
27	12.5	3.0	0.5	1.0	2.0	1.0	15.0	17.0	27.0	23.0	14.5	13.0
28	13.0	2.0	1.0	2.0	1.0	0.0	14.5	20.0	27.0	24.0	16.0	13.0
29	13.5	0.5	1.0	1.0	---	1.0	13.0	17.0	27.0	23.0	17.0	10.5
30	12.5	0.5	0.5	1.0	---	2.0	13.0	15.0	26.0	25.0	15.0	10.5
31	12.5	---	1.0	1.0	---	1.0	---	18.5	---	22.0	14.0	---
MONTH	10.5	4.5	1.5	1.5	1.0	2.5	8.5	17.0	21.5	22.5	18.0	11.0

06463050 LONG PINE CREEK AT LONG PINE, NEBR.

LOCATION.--Lat 42°32'59", long 99°42'23", in NE¼NW¼ sec.30, T.30 N., R.20 W., Brown County, at timber bridge 0.1 mi (0.2 km) downstream from U.S. Highway 20 bridge and about 0.9 mi (1.4 km) northwest of Long Pine.

PERIOD OF RECORD.--Chemical analyses: October 1973 to June 1975 (discontinued).

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 23...	1110	53	--	--	--	--	--	--	--	--	--
NOV. 13...	1020	53	56	10	0	15	2.1	5.0	3.2	70	0
DEC. 04...	1140	53	--	--	--	--	--	--	--	--	--
JAN. 15...	1120	56	--	--	--	--	--	--	--	--	--
FEB. 26...	1210	52	50	20	0	17	2.2	5.4	4.5	69	0
MAR. 19...	1140	52	--	--	--	--	--	--	--	--	--
APR. 09...	1350	55	--	--	--	--	--	--	--	--	--
MAY 22...	0840	54	52	30	5	16	2.4	5.9	4.1	72	0
JUNE 12...	1145	53	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 23...	--	--	1.0	--	.89	.88	.04	.18	.22	1.1
NOV. 13...	57	3.3	1.0	.2	1.0	1.0	.01	.00	.01	1.0
DEC. 04...	--	--	.7	--	1.2	.99	.01	.13	.14	1.3
JAN. 15...	--	--	1.0	--	1.3	1.2	.04	.28	.32	1.6
FEB. 26...	57	3.3	.7	.2	1.1	1.0	.01	.24	.25	1.4
MAR. 19...	--	--	1.1	--	1.1	1.0	.01	.18	.19	1.3
APR. 09...	--	--	.9	--	1.0	1.0	.01	.05	.06	1.1
MAY 22...	59	3.5	1.1	.2	.94	.92	.00	.20	.20	1.1
JUNE 12...	--	--	1.3	--	.89	.87	.01	.13	.14	1.0

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED-PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
OCT. 23...	.22	.17	120	--	.16	17.2	--	--	--	130
NOV. 13...	.24	.18	--	125	.17	17.9	46	0	.3	130
DEC. 04...	.20	.20	126	--	.17	18.0	--	--	--	131
JAN. 15...	.23	.20	125	--	.17	18.9	--	--	--	132
FEB. 26...	.27	.24	--	122	.17	17.1	52	0	.3	130
MAR. 19...	.20	.16	133	--	.18	18.7	--	--	--	131
APR. 09...	.20	.18	122	--	.17	18.1	--	--	--	132
MAY 22...	.27	.13	--	125	.17	18.2	50	0	.4	131
JUNE 12...	.19	.17	126	--	.17	18.0	--	--	--	127

06463050 LONG PINE CREEK AT LONG PINE, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)
OCT.										
23...	7.4	11.0	--	5	9.5	.7	63	112	--	--
NOV.										
13...	7.3	7.0	0	5	9.9	.8	83	48	--	30
DEC.										
04...	7.3	8.0	--	6	10.1	1.1	42	100	--	--
JAN.										
15...	7.3	8.0	--	10	11.3	.9	35	160	--	--
FEB.										
26...	7.4	6.0	10	10	12.1	2.3	26	28	10	10
MAR.										
19...	7.5	12.0	--	10	11.3	1.8	2	31	--	--
APR.										
09...	7.6	11.5	--	5	11.3	1.6	5	15	--	--
MAY										
22...	7.4	13.0	3	3	10.9	1.1	190	290	--	10
JUNE										
12...	7.6	16.0	--	10	10.9	1.4	190	310	--	--

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
23...	--	--	--	--	--	--	--	--	--	--
NOV.										
13...	--	--	--	--	--	--	--	--	--	--
DEC.										
04...	--	--	--	--	--	--	--	--	--	--
JAN.										
15...	--	--	--	--	--	--	--	--	--	--
FEB.										
26...	0	0	3	3	.0	.0	.0	0	0	20
MAR.										
19...	--	--	--	--	--	--	--	--	--	--
APR.										
09...	--	--	--	--	--	--	--	--	--	--
MAY										
22...	--	--	--	--	--	--	--	--	--	--
JUNE										
12...	--	--	--	--	--	--	--	--	--	--

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.

(National stream-quality accounting network station)

LOCATION.--Lat 42°44'25", long 98°12'45", near center of N sec.23, T.32 N., R.8 W., Knox County, temperature recorder at gaging station at Pishelville Bridge, 6 mi (9.7 km) south of Verdel and 7 mi (11.3 km) upstream from Verdigre Creek.

DRAINAGE AREA.--12,600 mi^2 (32,600 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1975.
Water temperatures: June 1958 to September 1965, October 1966 to September 1975.
Sediment records: October 1971 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 35.5°C July 6; minimum, freezing point on many days during December to April.
Sediment concentrations: Maximum daily, 12,000 mg/l June 8; minimum daily, 110 mg/l Oct. 18, 19.
Sediment discharge: Maximum daily, 53,000 tons June 8; minimum daily, 160 tons Jan. 15.

Period of record:
Water temperatures: Maximum, 38.0°C July 22, 1964, July 20, 1974; minimum, freezing point on many days during winter period.
Sediment concentrations: Maximum daily, 12,000 mg/l June 8, 1975; minimum daily, 56 mg/l Dec. 27, 1972.
Sediment discharge: Maximum daily, 70,000 tons Mar. 12, 1972; minimum daily, 60 tons Dec. 7, 1972.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)
OCT. 16...	1040	1070	--	--	--	--	--	--	--	--	--	--
NOV. 27...	1030	1290	--	--	--	--	--	--	--	--	--	--
DEC. 18...	1040	1420	55	--	20	--	--	30	37	4.8	10	5.0
JAN. 29...	1140	1500	--	--	--	--	--	--	--	--	--	--
FEB. 20...	1435	1310	--	--	--	--	--	--	--	--	--	--
APR. 04...	1040	2450	41	11000	60	610	570	40	35	5.1	9.0	5.7
MAY 15...	1117	1380	45	--	60	--	--	5	42	5.0	10	7.9
JUNE 05...	1030	1370	46	2700	110	180	180	0	35	4.5	10	7.4
JULY 17...	1035	560	57	--	10	--	--	0	40	3.7	11	7.2
AUG. 06...	1045	590	51	--	20	--	--	0	33	3.9	9.6	7.2
SEP. 16...	1530	682	50	1300	20	120	120	0	32	4.2	9.7	7.2

DATE	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED ORGANIC NITROGEN (N) (MG/L) (00607)
OCT. 16...	--	--	--	--	1.8	--	.32	.28	.04	--	.58	--
NOV. 27...	--	--	--	--	1.7	--	.65	.69	.02	--	.61	--
DEC. 18...	144	0	118	17	1.8	.4	.85	.83	.05	--	.29	--
JAN. 29...	--	--	--	--	1.3	--	.66	.12	.00	--	.23	--
FEB. 20...	--	--	--	--	2.6	--	.90	.80	.01	--	.24	--
APR. 04...	135	0	111	19	2.0	.5	.98	.83	.05	.03	1.2	.33
MAY 15...	147	0	121	22	1.6	.4	.14	.14	.04	--	.55	--
JUNE 05...	140	0	115	16	1.6	.4	.11	.01	.01	.00	2.9	.47
JULY 17...	149	0	122	14	1.5	.4	.01	--	.00	--	.72	--
AUG. 06...	140	0	115	12	1.6	.4	.05	--	.01	--	.63	--
SEP. 16...	132	0	108	9.2	1.6	.3	.01	.01	.00	.00	.75	.30

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L) (00624)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT. 16...	.62	--	--	.94	.11	.06	206	--	.28	595	--	--
NOV. 27...	.63	--	--	1.3	.25	.08	190	--	.26	662	--	--
DEC. 18...	.34	--	--	1.2	.20	.12	--	206	.28	790	110	0
JAN. 29...	.23	--	--	.89	.27	.29	191	--	.26	774	--	--
FEB. 20...	.25	--	--	1.2	.10	.08	200	--	.27	707	--	--
APR. 04...	1.2	.84	.36	2.2	.17	.12	187	188	.25	1240	110	0
MAY 15...	.59	--	--	.73	.26	.06	190	207	.26	708	130	5
JUNE 05...	2.9	2.4	.47	3.0	.14	.03	190	190	.26	703	110	0
JULY 17...	.72	--	--	.73	.16	.02	198	208	.27	299	120	0
AUG. 06...	.64	--	--	.69	.33	.03	178	188	.24	284	98	0
SEP. 16...	.75	.45	.30	.76	.14	.01	188	179	.26	346	97	0

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
OCT. 16...	--	282	7.6	11.0	--	30	10.5	--	2.6	89	340	--
NOV. 27...	--	248	7.6	.5	--	75	12.6	--	1.0	21	260	--
DEC. 18...	.4	80	7.7	.5	5	35	12.5	--	.6	36	--	--
JAN. 29...	--	260	7.1	1.0	--	15	13.1	--	1.2	26	100	--
FEB. 20...	--	270	7.4	.5	--	20	11.4	--	.7	8	56	--
APR. 04...	.4	254	7.7	6.5	20	--	--	--	--	12	160	11
MAY 15...	.4	281	7.2	14.0	10	50	9.0	--	--	22	48	--
JUNE 05...	.4	250	7.5	24.0	2	35	9.3	--	2.2	31	92	--
JULY 17...	.4	254	7.4	27.0	7	25	8.4	--	--	11	44	--
AUG. 06...	.4	244	7.9	25.0	20	70	9.2	--	3.8	100	160	--
SEP. 16...	.4	233	7.6	24.0	5	25	8.6	20	--	18	100	12

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS-PENDED ARSENIC (AS) (UG/L) (01001)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	SUS-PENDED CAD-MIUM (CD) (UG/L) (01026)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	SUS-PENDED CHRO-MIUM (CR) (UG/L) (01031)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
DEC. 18...	--	--	--	30	--	--	--	--	--	--
APR. 04...	10	7	3	30	<10	<7	3	0	0	0
MAY 15...	--	--	--	30	--	--	--	--	--	--
JUNE 05...	9	3	6	0	<10	<10	0	0	0	0
JULY 17...	--	--	--	40	--	--	--	--	--	--
AUG. 06...	--	--	--	30	--	--	--	--	--	--
SEP. 16...	9	0	9	30	<10	<10	0	10	0	20

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COBALT (CO) (UG/L) (01037)	SUS-PENDED COBALT (CO) (UG/L) (01036)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS-PENDED COPPER (CU) (UG/L) (01041)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS-PENDED LEAD (PB) (UG/L) (01050)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)
DEC. 18...	--	--	--	--	--	--	--	--	--	--
APR. 04...	<50	<50	0	20	0	23	<100	<93	7	.0
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 05...	<50	<50	0	10	8	2	<100	<98	2	.0
JULY 17...	--	--	--	--	--	--	--	--	--	--
AUG. 06...	--	--	--	--	--	--	--	--	--	--
SEP. 16...	100	100	0	20	19	1	<100	<98	2	.0

DATE	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	SUS-PENDED SELE-NIUM (SE) (UG/L) (01146)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS-PENDED ZINC (ZN) (UG/L) (01091)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
DEC. 18...	--	--	--	--	--	--	--	--	--
APR. 04...	.0	.0	4	3	1	0	60	20	40
MAY 15...	--	--	--	--	--	--	--	--	--
JUNE 05...	.0	.0	1	0	1	0	20	20	0
JULY 17...	--	--	--	--	--	--	--	--	--
AUG. 06...	--	--	--	--	--	--	--	--	--
SEP. 16...	.0	.0	1	0	1	0	30	30	0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	278	233	279	282	269	257	252	227
2	---	---	---	---	280	235	285	259	256	255	244	244
3	---	---	---	---	278	230	262	275	256	254	237	244
4	---	---	---	---	277	223	272	275	250	259	247	248
5	---	---	---	---	291	222	323	273	251	252	238	245
6	---	---	---	---	282	226	292	273	233	258	256	240
7	---	---	---	---	291	228	302	269	237	254	247	241
8	---	---	---	260	304	232	310	262	235	255	260	242
9	---	---	---	259	304	232	330	262	255	246	256	245
10	---	---	---	266	240	247	299	264	255	239	260	242
11	---	---	---	333	290	241	338	275	252	252	259	242
12	---	---	---	368	291	240	291	268	246	255	251	242
13	---	---	---	376	292	234	284	295	240	252	257	243
14	---	---	---	362	280	251	292	275	246	253	246	246
15	---	---	---	341	284	249	282	266	246	259	240	242
16	282	---	---	339	280	235	290	268	246	260	243	251
17	---	---	---	336	281	218	291	275	250	262	246	242
18	---	---	273	333	269	219	286	272	249	240	242	244
19	---	---	---	329	267	250	284	269	271	243	246	242
20	---	---	---	319	266	253	280	268	272	241	255	246
21	---	---	---	322	260	251	274	274	270	231	246	243
22	---	---	---	317	263	246	274	270	254	231	257	243
23	---	---	---	285	254	252	274	269	261	230	250	242
24	---	---	---	266	247	296	278	258	263	257	258	243
25	---	---	---	260	248	296	273	288	253	256	258	242
26	---	---	---	255	253	219	275	277	254	266	260	245
27	---	248	---	254	246	285	281	267	253	261	249	245
28	---	---	---	254	237	275	292	265	253	256	248	248
29	---	---	---	257	---	273	296	[illegible]	254	256	256	245
30	---	---	---	270	---	269	274	259	252	254	247	247
31	---	---	---	262	---	263	---	263	---	245	248	---
MONTH	---	---	---	---	273	246	289	270	253	251	250	243

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	7.0	12.0	8.5	0.5	0.5	1.0	0.5	1.0	0.5	1.0	0.5
2	13.5	5.5	10.0	6.5	1.0	0.5	1.0	1.0	0.5	0.0	1.0	1.0
3	18.0	8.0	8.0	5.0	1.0	0.5	1.0	0.5	0.5	0.5	1.5	0.5
4	17.0	11.5	7.0	3.5	0.5	0.0	1.0	0.5	1.0	0.5	1.0	0.5
5	13.5	10.0	7.0	4.5	0.5	0.0	1.0	0.5	1.0	1.0	1.0	0.5
6	12.0	7.0	8.5	3.0	0.5	0.5	1.0	1.0	1.0	0.5	1.0	0.5
7	15.0	5.5	10.5	5.0	1.0	0.5	1.0	0.5	1.0	0.5	1.0	1.0
8	16.5	8.0	9.0	6.0	1.0	0.5	0.5	0.5	1.0	1.0	1.5	1.0
9	18.0	8.5	8.5	8.0	0.5	0.0	0.5	0.5	2.0	1.0	1.0	1.0
10	21.0	11.5	9.5	6.0	0.5	0.0	1.0	0.5	1.5	1.0	1.0	1.0
11	19.0	13.0	6.5	4.0	0.5	0.0	1.5	1.0	1.5	1.0	1.0	0.5
12	13.0	9.5	5.0	1.5	0.5	0.0	1.5	1.0	1.5	1.0	1.0	0.5
13	17.0	9.0	4.5	1.5	0.5	0.5	1.5	0.5	1.5	1.5	1.5	0.5
14	12.0	8.0	3.0	1.0	0.5	0.5	1.0	0.5	1.5	1.0	1.0	0.5
15	11.5	5.5	4.5	0.5	0.5	0.5	1.0	0.5	1.5	1.0	1.0	0.0
16	16.0	7.0	6.0	2.0	0.5	0.5	1.5	0.5	1.5	1.0	0.5	0.5
17	18.0	9.0	6.0	1.5	0.5	0.5	1.0	0.5	1.0	1.0	0.5	0.5
18	15.5	9.5	5.0	1.5	1.0	0.5	0.5	0.5	1.5	1.0	0.5	0.0
19	16.0	8.5	7.0	3.5	1.0	0.5	0.5	0.0	1.5	0.5	0.5	0.0
20	14.0	8.5	7.0	2.0	1.0	0.5	0.5	0.0	1.5	0.5	1.0	0.0
21	16.5	8.0	6.0	1.5	1.0	0.5	0.5	0.0	1.0	0.5	3.0	1.0
22	14.0	10.5	8.0	3.0	1.0	0.5	0.5	0.0	1.0	0.5	4.5	1.0
23	14.5	8.5	6.0	1.0	1.0	0.5	0.0	0.0	1.0	0.5	4.0	1.0
24	16.0	9.0	3.0	0.5	1.0	1.0	0.0	0.0	1.0	0.5	0.5	0.5
25	14.0	9.0	0.5	0.5	1.5	0.5	0.0	0.0	0.5	0.5	1.0	0.5
26	14.0	6.0	3.5	0.5	1.0	0.5	0.5	0.0	1.0	0.5	0.5	0.5
27	15.0	10.0	1.5	0.5	1.0	0.5	0.5	0.5	1.0	0.5	0.5	0.0
28	15.5	10.5	0.5	0.5	1.0	0.5	0.5	0.5	1.0	0.5	0.5	0.0
29	15.0	13.0	0.5	0.5	1.0	0.5	0.5	0.0	---	---	0.5	0.5
30	13.5	10.5	0.5	0.5	1.0	0.5	1.0	0.5	---	---	1.5	0.0
31	14.5	11.0	---	---	1.0	0.5	1.0	0.5	---	---	0.5	0.0
MONTH	21.0	5.5	12.0	0.5	1.5	0.0	1.5	0.0	2.0	0.0	4.5	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	18.0	8.0	22.0	14.5	29.5	25.5	25.0	22.0	26.0	23.0
2	1.0	0.0	18.0	10.5	25.5	15.0	29.5	25.0	31.5	18.5	25.5	23.0
3	2.0	0.0	20.5	10.5	26.0	16.5	31.5	25.0	30.5	21.0	25.0	20.0
4	6.5	0.0	24.0	12.0	24.5	19.0	33.5	25.5	31.0	21.0	24.0	21.0
5	6.0	0.5	23.0	16.0	26.0	20.0	34.0	25.5	31.5	21.0	23.5	19.5
6	5.5	3.5	23.0	17.0	26.5	18.5	35.5	25.5	25.5	20.5	24.5	20.0
7	5.5	4.0	21.5	15.0	24.0	19.0	35.0	26.0	28.5	18.5	24.0	20.5
8	5.5	4.0	22.0	14.5	21.0	17.0	30.0	25.0	31.0	20.5	23.0	19.5
9	6.5	5.5	23.5	14.0	20.0	16.5	31.0	23.0	32.0	20.5	25.0	20.0
10	6.0	5.0	19.5	15.0	20.0	15.0	30.0	21.5	28.5	22.0	26.0	22.0
11	10.0	4.5	20.5	13.0	23.5	16.5	25.5	19.0	30.0	20.5	25.5	19.0
12	11.0	5.0	23.5	13.0	25.5	16.0	27.0	17.0	26.0	21.0	21.5	16.5
13	8.5	6.5	19.0	14.0	25.5	19.5	30.5	19.0	25.5	18.5	21.5	17.0
14	9.5	6.5	21.0	13.5	24.5	20.0	30.0	19.5	23.5	20.0	21.0	19.0
15	9.5	6.0	24.0	13.0	27.0	17.0	30.5	20.5	29.5	18.5	23.5	20.0
16	15.0	8.0	23.5	14.5	29.5	20.5	29.5	21.0	29.0	19.5	24.0	20.0
17	12.0	9.5	26.5	15.0	25.5	20.5	29.0	21.0	25.0	20.5	24.0	21.0
18	9.5	6.0	26.0	18.0	24.0	20.0	30.5	22.0	21.0	18.5	23.5	19.0
19	10.5	4.5	26.0	18.5	29.5	21.5	31.0	23.0	26.5	18.5	19.0	15.5
20	13.5	5.5	27.0	18.5	30.0	21.0	31.0	21.5	29.0	21.5	15.5	13.5
21	14.5	8.5	23.5	16.5	29.5	23.0	26.5	23.0	28.0	24.0	18.5	11.0
22	15.0	9.5	25.0	15.5	30.5	21.0	31.0	23.0	28.0	21.5	20.5	11.5
23	14.0	11.0	24.5	19.0	30.0	23.0	32.0	23.0	28.5	23.5	20.0	12.0
24	19.0	11.0	25.0	15.0	29.5	24.0	30.0	21.5	26.5	23.0	20.0	11.5
25	19.5	12.0	24.5	17.0	29.0	24.5	30.0	21.5	24.0	19.0	20.0	11.5
26	18.0	14.0	24.0	13.5	28.0	24.0	34.5	20.5	23.0	19.5	19.5	11.5
27	21.0	17.0	21.0	14.0	28.5	23.5	30.5	24.0	24.0	19.0	19.5	14.5
28	17.0	9.0	20.0	16.5	29.0	24.5	32.0	22.0	24.0	20.5	19.5	14.5
29	12.0	7.0	22.0	15.5	29.0	25.5	31.0	23.0	26.5	21.5	19.5	12.0
30	13.5	7.0	23.0	14.0	29.0	25.0	30.0	22.0	26.5	23.0	16.5	13.5
31	---	---	23.5	15.0	---	---	28.5	23.0	26.5	22.0	---	---
MONTH	21.0	0.0	27.0	8.0	30.5	14.5	35.5	17.0	32.0	18.5	26.0	11.0

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
NOV.									
06...	1050	5.0	1160	575	1800	38	48	85	100
27...	1120	1.5	1350	632	2300	59	85	99	100
FEB.									
20...	1625	--	1300	313	1100	--	--	--	--
APR.									
04...	1140	.5	2440	919	6050	38	75	92	100
MAY									
15...	1410	--	1380	1300	4840	--	--	--	--
JUNE									
05...	1355	--	1310	899	3180	--	--	--	--
25...	1150	--	1120	408	1230	--	--	--	--
JULY									
17...	1210	--	554	244	365	--	--	--	--
AUG.									
06...	1235	--	589	383	609	--	--	--	--
27...	1215	--	742	690	1380	--	--	--	--
SEP.									
16...	1715	--	709	1190	2280	--	--	--	--

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV.												
06...	1030	5	1160	0	1	36	96	99	100	--	--	--
27...	1105	5	1690	1	9	66	97	99	100	--	--	--
FEB.												
20...	1435	5	1300	--	0	16	70	93	96	99	99	100
APR.												
04...	1140	5	2440	0	1	38	91	97	98	99	99	100
23...	1600	5	2030	0	1	64	98	100	--	--	--	--
MAY												
15...	1400	5	1380	0	6	60	98	100	--	--	--	--
JUNE												
05...	1355	5	1310	0	5	44	94	98	99	99	100	--
25...	1040	5	1120	0	2	41	87	96	98	100	--	--
JULY												
17...	1215	5	554	0	3	44	90	98	99	99	100	--
AUG.												
06...	1230	5	589	0	1	45	89	96	98	100	--	--
27...	1230	5	742	--	0	31	91	98	99	100	--	--
SEP.												
16...	1725	5	709	0	2	37	83	95	98	100	--	--

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	812	260	550	1310	380	1300	960	300	780
2	942	250	640	1220	340	1100	960	340	900
3	888	240	600	1180	340	1100	1000	280	760
4	875	240	570	1330	500	1800	1060	260	750
5	928	220	550	1030	460	1300	1350	260	950
6	942	220	550	1070	550	1600	1750	300	1400
7	1040	210	590	1080	500	1500	1800	440	2100
8	1060	190	550	1110	480	1400	1120	310	940
9	1100	170	500	1450	600	2300	960	260	650
10	1300	170	600	1380	510	1900	1240	300	1000
11	1530	160	650	1400	600	2300	1450	440	1700
12	1400	140	550	921	550	1400	1850	740	3700
13	1280	140	480	1120	550	1700	1950	1200	6300
14	1130	130	400	1490	660	2700	1600	1200	5200
15	1030	130	360	1260	480	1600	1300	1100	3900
16	282	130	360	988	530	1400	1250	1000	3400
17	1070	120	340	1000	400	1100	1300	1000	3500
18	1130	110	340	1110	340	1000	273	900	3300
19	1390	110	410	1150	360	1100	1350	920	3400
20	1420	120	460	1680	420	1900	1400	1000	3800
21	1320	120	420	1390	440	1700	1250	1200	4000
22	1230	88	290	1320	430	1500	1300	1000	3500
23	1210	140	460	1210	480	1600	1400	1100	4200
24	1210	230	750	1300	800	2800	1080	1100	3200
25	1230	300	1000	1400	900	3400	820	1000	2200
26	1180	330	1100	1500	600	2400	720	1000	1900
27	1320	440	1600	248	630	2000	700	960	1800
28	1630	650	2500	1140	680	2100	960	850	2200
29	1340	550	2000	940	550	1400	1140	600	1800
30	1360	340	1200	680	280	510	1220	350	1200
31	1610	440	1900	---	---	---	1300	340	1200
MONTH	35989	---	23270	35407	---	50910	37813	---	75630

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1300	330	1200	1300	320	1100	1950	150	790
2	1300	800	2800	1350	280	1000	2050	180	1000
3	1180	1200	3800	1350	220	800	2000	220	1200
4	1140	1100	3400	1300	220	750	1950	300	1600
5	1160	1200	3800	1400	420	1600	2100	360	2000
6	1160	1100	3400	1160	400	1300	2200	400	2400
7	1220	920	3000	1100	340	1000	2150	420	2400
8	1350	1200	4400	900	280	700	1950	480	2500
9	1500	1400	5700	900	220	530	1850	580	2900
10	1400	1100	4200	900	240	600	1800	550	2700
11	500	290	390	1020	240	650	1750	540	2600
12	560	280	420	1200	260	850	1700	480	2200
13	380	240	250	1250	260	880	1650	400	1800
14	300	220	180	1350	280	1000	1650	950	4200
15	310	190	160	1400	300	1100	1850	1700	8500
16	300	220	180	1450	320	1300	2300	1500	9300
17	480	240	320	1450	320	1300	3000	900	7300
18	780	260	550	1450	340	1300	3300	900	8000
19	1140	270	830	1450	370	1400	3600	750	7300
20	1650	340	1500	1300	320	1100	3500	560	5300
21	1900	700	3600	1550	270	1100	2150	500	2900
22	1950	1400	7400	1550	300	1300	2150	550	3200
23	1900	2000	10000	1450	380	1500	2100	570	3200
24	1950	1100	5800	1600	440	1900	1850	600	3000
25	1950	420	2200	1600	500	2200	1300	680	2400
26	1900	400	2100	1600	380	1600	1600	750	3200
27	1850	380	1900	1700	200	920	1800	900	4400
28	1650	360	1600	1900	150	750	1600	650	2800
29	1600	380	1600	---	---	---	1400	440	1700
30	1500	410	1700	---	---	---	900	460	1100
31	1450	360	1400	---	---	---	1350	580	2100
MONTH	38710	---	79780	37930	---	31530	62500	---	105990

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL MEAN DISCHARGE (CFS)	APRIL MEAN CONCENTRATION (MG/L)	APRIL SEDIMENT DISCHARGE (TONS/DAY)	MAY MEAN DISCHARGE (CFS)	MAY MEAN CONCENTRATION (MG/L)	MAY SEDIMENT DISCHARGE (TONS/DAY)	JUNE MEAN DISCHARGE (CFS)	JUNE MEAN CONCENTRATION (MG/L)	JUNE SEDIMENT DISCHARGE (TONS/DAY)
1	1220	700	2300	2480	820	5500	1550	600	2500
2	1200	750	2400	2210	650	3900	1390	620	2300
3	1700	850	3900	2290	520	3200	1540	550	2300
4	2160	930	5400	2120	600	3400	1660	480	2200
5	3450	1000	9300	1850	400	2000	1480	2100	8400
6	2480	850	5700	2170	550	3200	1290	9100	32000
7	2510	820	5600	1990	400	2100	1320	9100	32000
8	2950	2300	18000	2160	550	3200	1640	12000	53000
9	3070	3200	27000	2010	600	3300	1880	7600	39000
10	3120	2500	21000	2150	650	3800	1600	1200	5200
11	2950	2300	18000	2960	320	2600	1400	500	1900
12	2720	1700	12000	2640	180	1300	1290	340	1200
13	2610	1500	11000	2190	180	1100	1080	300	850
14	2450	1400	9300	1690	200	900	1550	640	2700
15	2160	950	5500	1490	220	900	1350	600	2200
16	2180	600	3500	1670	260	1200	1200	300	970
17	2420	480	3100	1830	240	1200	1310	280	1000
18	2320	460	2900	1590	380	1600	1400	160	600
19	1920	420	2200	1750	540	2600	1840	480	2400
20	1940	400	2100	1590	600	2600	2480	1100	7400
21	1790	360	1700	1650	620	2800	1710	950	4400
22	1760	340	1600	1930	550	2900	1770	720	3400
23	1970	350	1900	1920	520	2700	1400	400	1500
24	1880	320	1600	2160	600	3500	1300	330	1200
25	1950	280	1500	1940	470	2500	1350	440	1600
26	2230	550	3300	1820	500	2500	1590	430	1800
27	1980	580	3100	1700	430	2000	1440	360	1400
28	2370	650	4200	1700	500	2300	1230	320	1100
29	2330	610	3800	1590	650	2800	1140	320	1000
30	2540	700	4800	1610	700	3000	1090	320	940
31	---	---	---	1530	590	2400	---	---	---
MONTH	68330	---	197700	68380	---	79000	44270	---	218460

DAY	JULY MEAN DISCHARGE (CFS)	JULY MEAN CONCENTRATION (MG/L)	JULY SEDIMENT DISCHARGE (TONS/DAY)	AUGUST MEAN DISCHARGE (CFS)	AUGUST MEAN CONCENTRATION (MG/L)	AUGUST SEDIMENT DISCHARGE (TONS/DAY)	SEPTEMBER MEAN DISCHARGE (CFS)	SEPTEMBER MEAN CONCENTRATION (MG/L)	SEPTEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	1020	320	900	674	240	440	720	200	380
2	992	320	860	944	280	700	687	200	380
3	973	400	1000	1260	480	1600	687	200	380
4	793	380	810	777	340	700	720	210	410
5	712	320	600	670	330	600	731	260	500
6	712	280	550	584	380	600	720	300	600
7	687	240	440	608	380	620	731	360	700
8	693	190	360	589	340	550	742	400	800
9	1040	480	1300	596	280	450	742	480	950
10	977	540	1400	597	260	420	720	560	1100
11	877	380	900	633	260	440	720	500	950
12	801	230	500	630	260	440	742	410	820
13	794	200	420	767	500	1000	720	460	900
14	740	290	580	944	700	1800	720	560	1100
15	677	300	550	826	600	1300	705	750	1400
16	621	260	440	2040	500	2800	716	1100	2100
17	561	250	380	1210	270	880	780	1100	2300
18	533	230	330	875	260	600	820	790	1700
19	536	240	340	872	260	600	940	650	1600
20	553	240	360	819	260	550	940	550	1400
21	885	320	750	760	260	550	900	500	1200
22	825	270	600	807	320	700	880	460	1100
23	1380	300	1100	1020	700	1900	840	420	950
24	1330	260	930	1010	950	2600	820	370	820
25	1080	220	650	831	800	1800	860	360	850
26	1100	260	770	729	750	1500	860	280	650
27	900	220	550	733	690	1400	900	380	900
28	660	220	390	709	480	900	980	250	660
29	592	220	360	731	240	470	980	220	600
30	554	210	310	698	200	380	940	260	660
31	554	220	320	709	200	380	---	---	---
MONTH	25152	---	19750	25652	---	29670	23963	---	28860

06465500 NIOBRARA RIVER AT VERDEL, NEBR.

BIOLOGICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TOTAL COUNT CELLS/ML (60050)	DOMINANT GENERA (Greater than or equal to 15 percent)	PERCENT COMPOSITION	ALGAL GROUP
NOV. 27...	12,000	NAVICULA	60	Diatom
		NITZSCHIA	23	Diatom
DEC. 18...	2,300	FRAGILARIA	37	Diatom
		NITZSCHIA	15	Diatom
JAN. 29...	470	AGMENELLUM	46	Blue-green
		COSCINODISCUS	15	Diatom
FEB. 20...	740	NAVICULA	35	Diatom
		MELOSIRA	18	Diatom
APR. 04...	8,000	NAVICULA	65	Diatom
MAY 15...	14,000	CYCLOTELLA	21	Diatom
		SCENEDESMUS	16	Green
JUNE 05...	56,000	SCENEDESMUS	17	Green
		ACTINASTRUM	15	Green
		FRAGILARIA	15	Diatom
JULY 17...	45,000	SCENEDESMUS	48	Green
		ANACYSTIS	21	Blue-green
		ANKISTRODESMUS	17	Green
AUG. 04...	96,000	SCENEDESMUS	72	Green
SEP. 16...	56,000	SCENEDESMUS	65	Green

PERIPHYTON

DATE	EXPOSURE TIME, DAYS	BIOMASS ASH WEIGHT G/M^2 (00572)	BIOMASS DRY WEIGHT G/M^2 (00573)	UNCORRECTED PERIPHYTON CHLOROPHYLL B MG/M^2 (32226)	UNCORRECTED PERIPHYTON CHLOROPHYLL A MG/M^2 (32228)
MAY 15...	31	.90	1.1	.0	.1
AUG. 06...	29	2.4	4.8	3.7	14

06609800 MISSOURI RIVER NEAR MORMON BRIDGE AT OMAHA, NEBR.

LOCATION.--Lat 41°20'37", long 95°57'26", in SE¼NW¼ sec.21 T.16 N., R.13 E., Douglas County, at raw-water intake of Omaha Metropolitan Utilities District, Florence Station, 10.3 mi upstream from gaging station, 0.2 mi downstream from Mormon Bridge, at river mile 626.2.

PERIOD OF RECORD.--Chemical analyses: February 1974 to June 1975 (discontinued).

REMARKS.--Chemical analyses comparable to those analyses previously published for station 06610000, July 1969 to June 1972. Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)
OCT.												
01...	1400	34700	208	0	171	--	7.7	15.0	25	--	9.9	650
16...	1330	37100	218	0	179	--	8.0	13.0	25	--	9.2	2900
30...	1340	35300	216	0	177	--	8.3	14.0	20	--	8.9	4700
NOV.												
13...	1430	34400	200	0	164	--	7.8	6.0	20	--	10.8	15700
25...	1400	34100	200	0	164	--	7.5	5.0	20	--	11.5	1000
DEC.												
10...	1400	19000	236	0	194	--	8.0	1.0	20	--	14.1	1130
23...	1300	18900	232	0	190	--	7.6	.5	15	--	11.6	2000
JAN.												
07...	1415	18500	226	0	185	753	7.7	.5	15	--	12.8	2830
21...	1000	20500	228	0	187	743	7.7	.5	9	--	14.0	700
FEB.												
07...	1400	16800	226	0	185	775	7.8	1.0	9	--	12.0	64
19...	1400	19200	212	0	174	--	7.9	.5	15	--	14.7	40
MAR.												
04...	1400	19400	220	0	180	723	7.9	.2	--	20	13.9	70
19...	1415	24000	182	0	149	685	7.3	3.0	--	70	12.7	721
APR.												
01...	1000	32200	202	0	166	696	7.2	1.0	--	56	13.8	933
16...	1300	38200	214	0	176	680	7.5	8.0	--	75	11.5	4000
30...	1300	48000	204	0	167	615	7.5	--	--	320	9.5	10300
MAY												
13...	1330	37700	196	0	161	722	7.9	17.5	--	24	8.9	857
29...	1245	41500	200	0	164	735	7.6	19.0	--	50	8.6	27000
JUNE												
10...	1015	41800	192	0	157	710	8.2	--	--	45	8.5	1970
24...	1330	52800	--	--	--	673	7.4	26.0	--	160	7.6	6000

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MANGANESE (MN) (UG/L) (01055)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
OCT.									
01...	1400	1910	128	57	23	64	4.7	200	11
16...	1330	--	110	53	26	62	4.6	200	10
30...	1340	1830	116	60	24	62	4.6	200	10
NOV.									
13...	1430	1580	665	78	23	63	4.7	200	99
DEC.									
10...	1400	1370	156	66	24	70	4.8	180	2.0
23...	1300	1880	93	63	25	63	3.8	180	10
JAN.									
07...	1415	930	56	62	25	69	3.5	190	9.0
21...	1000	660	52	62	25	63	3.4	195	11
FEB.									
07...	1400	460	43	66	23	63	4.5	218	10
19...	1400	163	875	62	22	64	5.6	175	10
MAR.									
04...	1400	1520	75	62	22	65	4.6	187	5.0
APR.									
16...	1300	4500	213	62	25	54	10	187	10
30...	1300	32700	1030	69	25	42	17	184	8.0
MAY									
13...	1330	2500	127	61	23	58	11	202	9.0
29...	1245	1400	109	57	23	65	11	180	9.0
JUNE									
10...	1015	4320	201	58	23	61	5.0	195	<1.0
24...	1330	15300	532	64	25	53	6.0	183	7.0

06609800 MISSOURI RIVER NEAR MORMON BRIDGE AT OMAHA, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
OCT.									
01...	.05	<.05	--	.20	.25	.20	492	90	--
16...	.10	.04	.76	.80	.90	.14	512	40	--
30...	.10	.09	.21	.30	.40	.09	478	31	--
NOV.									
13...	.10	.03	.29	.32	.42	.14	520	--	--
DEC.									
10...	.20	.23	.22	.45	.65	.08	498	38	6.0
23...	.20	.29	.35	.64	.84	.10	510	2	<4.0
JAN.									
07...	.10	.17	.16	.33	.43	.10	500	28	12
21...	.10	.16	.30	.46	.56	.05	500	40	6.5
FEB.									
07...	.20	.17	.19	.36	.56	.07	498	26	5.5
19...	.20	.13	.05	.18	.38	.08	514	36	13
MAR.									
04...	.20	.14	.23	.37	.57	.10	470	112	9.0
APR.									
16...	1.6	.17	1.5	1.6	3.3	.29	444	184	24
30...	1.9	.23	2.6	2.8	4.7	1.2	452	1220	34
MAY									
13...	1.0	<.04	--	.44	1.4	.12	492	96	10
29...	.50	.30	.20	.50	1.0	.23	508	53	5.5
JUNE									
10...	.50	.03	.47	.50	1.0	.25	532	162	7.0
24...	1.7	<.04	--	1.0	2.7	.30	422	482	16

DATE	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)
OCT.								
01...	--	<5	<5	26	--	<50	.4	<20
16...	--	<5	--	20	--	<50	<.1	<20
30...	--	7	<5	18	--	<50	1.1	<20
NOV.								
13...	--	<5	<5	--	--	<50	.3	<20
DEC.								
10...	<5	--	<5	--	10	30	.1	--
23...	<5	--	8	11	--	<5	.4	--
JAN.								
07...	<5	--	8	13	--	<5	.5	--
21...	<5	--	6	22	--	<5	.6	--
FEB.								
07...	<5	--	<5	16	--	<5	--	--
19...	8	--	<5	145	--	163	--	--
MAR.								
04...	2	--	<5	14	--	7	--	--
APR.								
16...	<1	--	10	18	--	5	--	--
30...	1	--	120	45	--	16	--	--
MAY								
13...	<1	--	6	16	--	<5	--	--
29...	<1	--	<5	14	--	<5	--	--
JUNE								
10...	<1	--	10	10	--	<5	--	--
24...	<1	--	30	24	--	10	--	--

06682505 NORTH PLATTE RIVER AT MC GREW, NEBR.

LOCATION.--Lat 41°45'42", long 103°25'02", in SW¼ sec.25, T.21 N., R.53 W., Scotts Bluff County, at bridge on county road 1.2 mi (1.9 km) north of State Highway 92, 0.3 mi (0.5 km) downstream from Ninemile Creek and 0.9 mi (1.4 km) north of McGrew.

PERIOD OF RECORD.--Chemical analyses: June 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 07...	0850	1420	38	20	10	77	22	98	11	322	0
NOV. 18...	0850	1190	40	40	0	82	20	100	8.4	315	0
DEC. 16...	0845	1000	--	--	--	--	--	--	--	--	--
JAN. 20...	0845	921	--	--	--	--	--	--	--	--	--
FEB. 10...	0920	880	41	20	0	85	22	94	10	319	0
MAR. 17...	0900	785	--	--	--	--	--	--	--	--	--
APR. 14...	0915	971	--	--	--	--	--	--	--	--	--
MAY 12...	0850	1010	22	50	170	75	23	89	8.8	252	0
JUNE 16...	0900	875	--	--	--	--	--	--	--	--	--
JULY 14...	0845	1090	--	--	--	--	--	--	--	--	--
AUG. 11...	0845	488	37	0	210	81	21	92	11	308	0
SEP. 15...	0900	992	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 07...	264	210	24	.7	2.5	2.7	.08	1.1	1.2	3.7
NOV. 18...	258	200	22	.5	2.5	2.5	.16	.50	.66	3.2
DEC. 16...	--	--	23	--	2.7	2.7	.29	.45	.74	3.4
JAN. 20...	--	--	23	--	2.9	2.8	.25	.73	.98	3.9
FEB. 10...	262	200	22	.4	3.2	3.2	.14	.69	.83	4.0
MAR. 17...	--	--	24	--	3.0	2.8	.05	.49	.54	3.5
APR. 14...	--	--	24	--	3.6	3.6	.08	.69	.77	4.4
MAY 12...	207	220	21	.4	1.5	1.4	.08	1.3	1.4	2.9
JUNE 16...	--	--	20	--	1.7	1.6	.04	.68	.72	2.4
JULY 14...	--	--	20	--	1.1	--	.00	1.2	1.2	2.3
AUG. 11...	253	200	21	.5	2.1	--	.00	.09	.09	2.2
SEP. 15...	--	--	23	--	1.9	--	.03	1.3	1.3	3.2

06682505 NORTH PLATTE RIVER AT MC GREW, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 07...	3.3	.07	--	651	.89	2500	280	16	2.5	965
NOV. 18...	.44	.05	--	640	.87	2060	290	32	2.6	952
DEC. 16...	4.4	.11	651	--	.89	1760	--	--	--	965
JAN. 20...	1.0	1.0	664	--	.90	1650	--	--	--	954
FEB. 10...	.12	.10	--	646	.88	1540	300	38	2.4	951
MAR. 17...	.12	.07	656	--	.89	1390	--	--	--	954
APR. 14...	.14	.04	664	--	.90	1740	--	--	--	969
MAY 12...	.26	.07	--	590	.80	1610	280	73	2.3	895
JUNE 16...	.15	.03	605	--	.82	1430	--	--	--	884
JULY 14...	.23	.05	583	--	.79	1720	--	--	--	1020
AUG. 11...	.24	.03	--	616	.84	812	290	36	2.4	930
SEP. 15...	.30	.05	632	--	.86	1690	--	--	--	848

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 07...	7.7	10.0	8	25	10.0	2.6	870	260	--	180
NOV. 18...	7.6	7.0	3	20	10.5	2.3	360	720	6	180
DEC. 16...	6.9	2.5	--	20	12.1	4.0	360	270	--	--
JAN. 20...	7.2	4.5	--	40	11.7	3.4	320	3800	--	--
FEB. 10...	7.2	2.0	10	25	12.6	2.0	370	210	--	140
MAR. 17...	7.2	8.0	--	25	10.6	.9	93	31	--	--
APR. 14...	7.3	8.0	--	35	11.1	1.3	37	270	--	--
MAY 12...	7.8	12.0	1	85	9.6	2.2	210	880	2	160
JUNE 16...	7.3	17.0	--	45	9.8	1.4	470	530	--	--
JULY 14...	7.4	19.0	--	65	9.2	2.1	1000	1000	--	--
AUG. 11...	7.3	17.0	15	70	9.7	5.2	520	1600	--	150
SEP. 15...	7.4	14.0	--	80	10.4	--	1500	1500	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 07...	--	--	--	--	--	--	--	--	--	--
NOV. 18...	0	0	60	2	.1	.1	.0	4	0	230
DEC. 16...	--	--	--	--	--	--	--	--	--	--
JAN. 20...	--	--	--	--	--	--	--	--	--	--
FEB. 10...	--	--	--	--	--	--	--	--	--	--
MAR. 17...	--	--	--	--	--	--	--	--	--	--
APR. 14...	--	--	--	--	--	--	--	--	--	--
MAY 12...	2	0	80	6	.0	.0	.0	6	0	210
JUNE 16...	--	--	--	--	--	--	--	--	--	--
JULY 14...	--	--	--	--	--	--	--	--	--	--
AUG. 11...	--	--	--	--	--	--	--	--	--	--
SEP. 15...	--	--	--	--	--	--	--	--	--	--

06684500 NORTH PLATTE RIVER AT BRIDGEPORT, NEBR.

LOCATION.--Lat 41°40'39", long 103°05'45", in NW¼SW¼ sec.38, T.20 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 26, 0.5 mi (0.8 km) north of Bridgeport.

DRAINAGE AREA.--29,300 mi^2 (75,900 km^2), approximately, of which about 23,300 mi^2 (60,300 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1970 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)
OCT.							
17...	1330	1550	645	7.6	14.5	25	9.5
NOV.							
25...	1445	1270	865	7.9	7.5	20	12.2
DEC.							
19...	1000	1120	988	7.6	2.5	20	12.7
JAN.							
23...	1030	1000	963	7.3	3.0	30	13.4
MAR.							
18...	1400	861	899	7.6	9.0	25	11.4
APR.							
15...	1320	951	858	7.7	13.0	30	11.6
MAY							
15...	1500	1010	895	7.6	22.0	70	9.2
JUNE							
17...	1615	843	890	7.7	15.5	35	10.4
JULY							
15...	1630	942	932	7.7	28.0	65	8.7
AUG.							
12...	1620	350	929	7.7	22.0	45	8.6
SEP.							
16...	1610	1190	1022	7.5	22.0	55	10.4

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.
(National stream-quality accounting network station)

LOCATION.--Lat 41°29'18", long 102°37'25", in NW¼SE¼ sec.33, T.18 N., R.46 W., Garden County, at gaging station at highway bridge 0.5 mi (0.8 km) south of Lisco.

DRAINAGE AREA.--30,700 mi^2 (79,500 km^2), approximately. of which about 24,700 mi^2 (64,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: March 1970 to September 1975.
Water temperatures: October 1970 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 1,020 micromhos Feb. 6, 7; minimum daily, 756 micromhos Mar. 21.
Water temperatures: Maximum, 27.0°C Aug. 11; minimum, freezing point on several days during December to January.

Period of record:
Specific conductance: Maximum daily, 1,100 micromhos Jan. 6, 1971; minimum daily, 578 micromhos Dec. 30, 1970.
Water temperatures: Maximum, 31.0°C July 19, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)
OCT.											
01...	1430	2010	--	--	--	--	--	--	--	--	--
09...	1125	1830	42	--	--	--	--	--	79	20	87
15...	1130	1940	--	--	--	--	--	--	--	--	--
23...	1130	1640	--	--	--	--	--	--	--	--	--
30...	1100	1440	--	--	--	--	--	--	--	--	--
NOV.											
06...	1130	1650	--	--	--	--	--	--	--	--	--
12...	1100	1510	--	--	--	--	--	--	--	--	--
19...	0940	1490	41	950	40	40	40	0	82	16	87
26...	1100	1440	--	--	--	--	--	--	--	--	--
DEC.											
03...	1130	1340	--	--	--	--	--	--	--	--	--
10...	1100	1400	--	--	--	--	--	--	--	--	--
17...	0915	1340	41	--	--	--	--	--	84	21	87
24...	1245	1110	--	--	--	--	--	--	--	--	--
JAN.											
21...	1205	1490	41	--	--	--	--	--	81	19	84
FEB.											
11...	1300	1650	40	1100	30	60	2	58	90	20	85
MAR.											
18...	1015	1140	--	--	--	--	--	--	--	--	--
APR.											
15...	1000	1290	36	--	--	--	--	--	83	21	90
MAY											
13...	1100	1810	29	6000	30	290	270	20	71	19	76
JUNE											
17...	1030	1080	29	--	--	--	--	--	75	22	81
JULY											
02...	1045	1560	--	--	--	--	--	--	--	--	--
08...	1145	1410	--	--	--	--	--	--	--	--	--
15...	1030	1060	29	--	--	--	--	--	76	22	80
22...	1245	553	--	--	--	--	--	--	--	--	--
29...	1230	466	--	--	--	--	--	--	--	--	--
AUG.											
05...	1245	609	--	--	--	--	--	--	--	--	--
12...	1115	431	36	3200	0	120	100	20	72	20	88
19...	1100	870	--	--	--	--	--	--	--	--	--
26...	1100	710	--	--	--	--	--	--	--	--	--
SEP.											
02...	1045	764	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)
OCT.										
01...	--	--	--	--	--	--	--	--	--	--
09...	11	288	0	236	190	20	--	--	--	2.1
15...	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
NOV.										
06...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
19...	11	301	0	247	180	20	.5	--	--	2.5
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
03...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
17...	9.6	305	0	250	180	22	--	2.6	.01	2.6
24...	--	--	--	--	--	--	--	--	--	--
JAN.										
21...	10	300	0	246	190	20	--	2.3	.04	2.6
FEB.										
11...	10	293	--	240	200	23	.5	--	--	2.8
MAR.										
18...	--	--	--	--	--	--	--	--	--	--
APR.										
15...	10	306	0	251	180	23	--	2.5	.01	2.5
MAY										
13...	8.3	257	--	211	170	20	.5	--	--	1.7
JUNE										
17...	9.4	266	--	218	190	20	--	1.4	.03	1.5
JULY										
02...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
15...	9.1	260	0	213	210	19	--	1.1	.02	1.2
22...	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
AUG.										
05...	--	--	--	--	--	--	--	--	--	--
12...	11	275	0	226	200	21	.5	--	--	1.3
19...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
SEP.										
02...	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L) (00624)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)
OCT.										
01...	--	--	--	--	--	--	--	--	--	--
09...	.05	.05	--	.65	--	.70	--	--	2.8	--
15...	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
NOV.										
06...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
19...	2.3	.09	.01	1.8	.24	1.9	1.7	.25	4.4	.26
26...	--	--	--	--	--	--	--	--	--	--
DEC.										
03...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
17...	2.6	.15	--	.44	--	.59	--	--	3.2	.15
24...	--	--	--	--	--	--	--	--	--	--
JAN.										
21...	2.3	.13	--	.37	--	.50	--	--	3.1	.17
FEB.										
11...	2.8	.04	.06	.56	.34	.60	.20	.40	3.4	.12
MAR.										
18...	--	--	--	--	--	--	--	--	--	--
APR.										
15...	2.5	.05	--	.68	--	.73	--	--	3.2	.15
MAY										
13...	1.5	.04	.03	.82	.12	.86	.71	.15	2.6	.30
JUNE										
17...	1.4	.02	--	.81	--	.83	--	--	2.3	.11
JULY										
02...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
15...	1.1	.03	--	1.3	--	1.3	--	--	2.5	.26
22...	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
AUG.										
05...	--	--	--	--	--	--	--	--	--	--
12...	1.3	.00	.00	1.2	.22	1.2	.98	.22	2.5	1.0
19...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
SEP.										
02...	--	--	--	--	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)
OCT.										
01...	--	--	--	--	--	--	--	--	845	7.8
09...	.06	--	591	.80	2920	280	43	2.3	882	7.7
15...	--	--	--	--	--	--	--	--	640	7.6
23...	--	--	--	--	--	--	--	--	790	7.5
30...	--	--	--	--	--	--	--	--	808	7.7
NOV.										
06...	--	--	--	--	--	--	--	--	750	7.4
12...	--	--	--	--	--	--	--	--	786	7.6
19...	.04	--	597	.81	2400	270	23	2.3	901	7.7
26...	--	--	--	--	--	--	--	--	880	7.5
DEC.										
03...	--	--	--	--	--	--	--	--	900	7.6
10...	--	--	--	--	--	--	--	--	862	7.6
17...	.10	--	606	.82	2190	300	46	2.2	860	7.4
24...	--	--	--	--	--	--	--	--	955	7.7
JAN.										
21...	.09	--	603	.82	2430	280	34	2.2	860	7.2
FEB.										
11...	.08	--	626	.85	2790	310	67	2.1	902	7.2
MAR.										
18...	--	--	--	--	--	--	--	--	855	7.6
APR.										
15...	.09	--	605	.82	2110	290	43	2.3	820	7.6
MAY										
13...	.06	539	528	.73	2630	260	45	2.1	790	7.7
JUNE										
17...	.03	--	564	.77	1650	280	60	2.1	862	7.5
JULY										
02...	--	--	--	--	--	--	--	--	832	7.6
08...	--	--	--	--	--	--	--	--	918	7.7
15...	.03	--	578	.79	1650	280	67	2.1	930	7.6
22...	--	--	--	--	--	--	--	--	905	7.5
29...	--	--	--	--	--	--	--	--	911	7.7
AUG.										
05...	--	--	--	--	--	--	--	--	872	7.5
12...	.02	586	590	.80	682	260	37	2.4	872	7.7
19...	--	--	--	--	--	--	--	--	960	7.7
26...	--	--	--	--	--	--	--	--	900	7.7
SEP.										
02...	--	--	--	--	--	--	--	--	880	7.5

DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT.										
01...	14.0	--	55	9.5	--	--	--	--	--	--
09...	17.0	40	25	11.2	--	1.8	31	86	--	.0
15...	10.0	--	30	11.1	--	--	--	--	--	--
23...	11.5	--	30	10.5	--	--	--	--	--	--
30...	5.0	--	25	11.1	--	--	--	--	--	--
NOV.										
06...	7.0	--	25	11.3	--	--	--	--	--	--
12...	4.5	--	25	12.5	--	--	--	--	--	--
19...	6.0	5	25	10.7	--	1.9	6	64	5.5	.0
26...	5.0	--	--	12.3	--	--	--	--	--	--
DEC.										
03...	1.0	--	30	13.8	--	--	--	--	--	--
10...	2.0	--	25	13.4	--	--	--	--	--	--
17...	1.5	5	25	14.0	--	2.6	2	56	--	.1
24...	1.0	--	20	12.8	--	--	--	--	--	--
JAN.										
21...	1.5	10	40	12.9	--	2.2	16	87	--	.0
FEB.										
11...	.0	10	25	11.9	17	4.8	14	160	5.5	.1
MAR.										
18...	6.5	--	25	12.5	--	.8	0	31	--	--
APR.										
15...	8.5	4	30	11.3	--	2.7	10	180	--	.0
MAY										
13...	13.0	--	150	10.5	26	2.9	460	1000	--	--
JUNE										
17...	16.0	10	35	10.4	--	1.4	65	150	--	.0
JULY										
02...	23.5	--	110	8.7	--	--	--	--	--	--
08...	24.5	--	110	9.2	--	--	--	--	--	--
15...	25.0	30	75	9.1	--	2.4	190	190	--	.0
22...	22.5	--	70	9.1	--	--	--	--	--	--
29...	26.5	--	70	8.5	--	--	--	--	--	--
AUG.										
05...	26.0	--	65	9.5	--	--	--	--	--	--
12...	23.0	9	45	9.1	40	5.2	42	110	12	.0
19...	23.5	--	85	8.7	--	--	--	--	--	--
26...	19.0	--	55	9.6	--	--	--	--	--	--
SEP.										
02...	21.0	--	55	8.8	--	--	--	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
SEP.										
09...	1100	1050	--	--	--	--	--	--	--	--
16...	1015	1490	36	75	19	81	11	272	0	223
23...	1100	1140	--	--	--	--	--	--	--	--
30...	1100	1720	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED NITRATE (N) (MG/L) (00618)	DISSOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
SEP.									
09...	--	--	--	--	--	--	--	--	--
16...	190	20	1.8	.01	1.8	1.8	.00	1.4	1.4
23...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
SEP.									
09...	--	--	--	--	--	--	--	--	--
16...	3.2	.30	.05	574	.78	2310	270	42	2.2
23...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
SEP.									
09...	900	7.6	19.0	--	88	9.2	--	--	--
16...	842	7.3	17.0	10	65	10.3	83	620	.0
23...	885	7.4	13.5	--	45	10.4	--	--	--
30...	890	7.3	13.0	--	90	10.0	--	--	--

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS-PENDED ARSENIC (AS) (UG/L) (01001)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	SUS-PENDED CAD-MIUM (CD) (UG/L) (01026)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	SUS-PENDED CHRO-MIUM (CR) (UG/L) (01031)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
NOV. 19...	11	1	10	150	<10	<10	0	0	0	0
FEB. 11...	6	0	7	130	40	39	1	10	10	0
MAY 13...	10	4	6	150	<10	<9	1	10	0	10
AUG. 12...	8	2	6	130	<10	<10	0	10	10	0

DATE	TOTAL COBALT (CO) (UG/L) (01037)	SUS-PENDED COBALT (CO) (UG/L) (01036)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS-PENDED COPPER (CU) (UG/L) (01041)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS-PENDED LEAD (PB) (UG/L) (01050)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)
NOV. 19...	<50	<50	0	<10	<8	2	<100	<98	2	.0
FEB. 11...	<50	<49	1	130	100	30	<100	<94	6	.0
MAY 13...	150	150	0	30	0	30	<100	<100	0	.4
AUG. 12...	<50	<50	0	--	--	--	<100	<98	2	--

DATE	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	SUS-PENDED SELE-NIUM (SE) (UG/L) (01146)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS-PENDED ZINC (ZN) (UG/L) (01091)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
NOV. 19...	.0	.0	4	1	3	<1	110	0	360
FEB. 11...	.0	.2	4	1	3	0	90	0	110
MAY 13...	.2	.2	4	0	4	0	260	190	70
AUG. 12...	--	--	4	0	4	0	40	10	30

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	849	880	816	912	878	882	828	887	862	839	843	826
2	835	876	780	873	860	875	844	865	887	819	858	845
3	862	879	900	884	878	867	825	888	859	832	863	860
4	871	884	874	850	871	858	823	882	866	846	837	858
5	881	884	879	881	997	848	798	890	857	834	867	860
6	877	893	892	880	1020	867	880	861	859	822	856	856
7	867	880	866	883	1020	859	887	883	866	810	870	858
8	867	878	886	868	934	859	866	888	825	810	854	862
9	879	878	888	972	929	832	846	878	875	826	835	858
10	881	881	883	975	974	865	887	876	866	824	794	854
11	879	877	853	967	977	872	866	892	873	801	798	854
12	865	884	891	970	883	867	894	899	846	833	808	854
13	856	880	891	970	865	869	892	796	827	840	870	841
14	852	886	885	978	862	874	892	840	858	834	778	834
15	881	883	880	967	876	872	887	863	865	851	848	826
16	879	883	881	897	860	875	887	858	854	855	846	851
17	883	886	885	882	885	866	887	858	856	855	850	849
18	883	854	882	845	892	870	882	844	836	868	870	860
19	881	861	882	866	887	870	846	848	853	868	865	864
20	891	882	882	857	885	872	887	881	859	882	863	864
21	880	880	880	859	890	756	880	858	854	872	856	869
22	883	871	888	904	894	867	873	867	810	872	856	867
23	883	878	908	882	887	876	855	810	841	872	850	858
24	887	873	896	852	890	813	848	846	841	866	852	867
25	883	879	934	889	876	888	848	872	809	870	852	869
26	887	874	894	887	880	893	850	876	838	872	865	867
27	881	879	914	862	880	907	850	878	831	869	825	869
28	875	880	876	912	878	907	815	872	862	876	789	867
29	881	881	882	900	---	907	850	815	844	863	848	867
30	878	801	887	860	---	909	859	841	825	868	789	858
31	882	---	882	900	---	909	---	854	---	843	808	---
MONTH	875	877	881	899	904	869	861	863	850	848	841	856

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.0	12.0	0.0	1.0	1.0	8.0	1.0	10.0	13.0	26.0	19.0	18.5
2	9.0	9.0	0.0	0.5	2.0	7.0	1.0	11.0	14.0	21.5	19.0	19.0
3	11.0	8.0	0.0	1.0	4.0	3.0	1.0	11.0	16.0	22.0	17.0	19.0
4	11.0	5.0	1.5	2.0	1.0	3.0	1.0	21.0	17.0	21.0	17.0	19.0
5	11.0	8.5	3.0	1.5	1.0	5.0	1.0	13.0	18.0	22.0	17.0	19.0
6	13.0	6.0	3.5	2.0	0.5	6.0	9.0	13.0	18.0	26.0	18.0	19.0
7	13.0	7.0	3.0	2.0	1.0	3.0	12.0	10.0	19.0	24.0	25.0	22.0
8	14.0	8.5	3.0	1.0	0.5	3.0	7.0	10.0	18.0	23.0	18.0	15.0
9	16.0	6.0	1.0	2.0	1.5	4.0	6.0	13.0	18.0	22.0	18.0	16.0
10	16.0	8.0	3.5	1.5	1.0	2.0	8.0	12.0	14.0	25.0	18.0	18.0
11	15.0	6.0	0.5	1.0	1.0	2.0	7.0	12.0	12.0	21.0	27.0	16.0
12	15.0	4.0	3.0	1.0	2.0	1.0	7.0	12.5	14.0	18.0	19.0	13.0
13	15.0	6.0	0.5	1.5	1.0	2.0	5.0	10.0	16.0	20.0	17.0	13.0
14	15.0	3.0	1.0	1.5	1.0	4.0	5.0	13.5	16.0	19.0	14.5	14.0
15	10.0	3.0	2.0	1.5	1.0	5.0	9.0	15.0	16.0	21.0	16.0	14.0
16	9.0	5.0	2.0	1.0	1.0	6.0	11.0	15.0	16.0	22.0	16.0	16.0
17	11.0	5.0	0.5	1.5	1.0	6.0	11.0	16.0	14.0	22.0	17.0	16.0
18	11.0	5.0	2.5	1.0	1.0	8.0	8.0	17.0	14.0	22.0	20.0	14.0
19	13.0	4.0	2.0	2.0	0.5	6.0	6.0	16.0	15.0	21.5	18.0	12.0
20	15.0	3.5	3.0	2.5	4.0	8.5	9.5	13.0	17.0	21.0	20.0	9.0
21	15.0	4.0	1.5	2.0	3.0	10.0	10.0	13.0	17.5	21.0	19.0	9.0
22	15.0	6.0	2.0	1.0	2.0	7.0	13.0	12.0	18.0	22.0	19.0	9.0
23	10.5	5.0	2.0	1.5	1.0	7.0	12.0	12.0	24.0	22.0	19.0	10.0
24	12.0	5.0	0.5	2.0	1.0	2.0	12.0	13.0	19.0	22.0	19.0	11.0
25	12.0	7.0	0.0	3.5	6.0	1.0	12.0	12.5	20.0	22.0	21.0	11.0
26	11.0	5.0	0.0	5.5	3.0	1.0	13.0	13.0	17.0	23.0	15.0	10.0
27	14.0	4.0	0.0	0.0	7.0	1.0	15.0	8.5	18.0	23.0	15.0	10.0
28	9.0	4.0	1.0	0.5	3.0	1.0	8.0	15.0	20.0	23.0	17.0	12.0
29	12.0	2.0	1.0	1.0	---	1.0	8.0	11.0	21.0	23.0	17.0	10.0
30	12.0	1.0	1.0	1.0	---	1.0	7.0	11.0	21.0	23.0	17.0	12.0
31	9.0	---	1.0	2.0	---	1.5	---	14.0	---	23.0	19.0	---
MONTH	12.5	5.5	1.5	1.5	2.0	4.0	8.0	13.0	17.0	22.0	18.5	14.0

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)
OCT. 09...	1125	17.0	1820	390	1920
NOV. 19...	0940	6.0	1490	200	805
DEC. 17...	0915	1.5	1340	256	926
JAN. 21...	1200	1.5	1480	356	1420
FEB. 11...	1300	.5	1650	346	1540
MAR. 18...	1015	6.5	1140	226	696
APR. 15...	1000	8.5	1290	303	1060
MAY 13...	1100	13.0	1810	649	3170
JUNE 17...	1030	16.0	1080	298	869
JULY 15...	1030	25.0	1060	376	1080
AUG. 12...	1115	23.0	431	1920	2230
SEP. 16...	1030	17.0	1490	462	1860

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV. 19...	0940	2	1490	0	4	22	54	76	94	100	--
FEB. 11...	1300	3	1650	0	10	51	87	96	100	--	--
MAY 13...	1100	3	1810	0	12	50	84	94	98	100	--
AUG. 12...	1115	3	431	0	5	22	51	72	92	99	100

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TOTAL COUNT CELLS/ML (60050)	DOMINANT GENERA (Greater than or equal to 15 percent)	PERCENT COMPOSITION	ALGAL GROUP
OCT. 23...	22,000	ANKISTRODESMUS	43	Green
		OSCILLATORIA	19	Blue-green
NOV. 26...	4,200	NAVICULA	35	Diatom
		NITZSCHIA	17	Diatom
DEC. 17...	3,300	NAVICULA	29	Diatom
JAN. 21...	3,800	NAVICULA	32	Diatom
		NITZSCHIA	32	Diatom
		ACHNANTHES	16	Diatom
FEB. 11...	1,100	DIATOMA	19	Diatom
		NAVICULA	16	Diatom
MAR. 18...	2,700	ACHNANTHES	22	Diatom
		NAVICULA	20	Diatom
APR. 15...	5,000	NAVICULA	34	Diatom
		NITZSCHIA	31	Diatom
MAY 13...	33,000	MICRACTINIUM	37	Diatom
		NITZSCHIA	20	Diatom
JUNE 17...	40,000	SCENEDESMUS	49	Green
JULY 15...	17,000	SCENEDESMUS	50	Green
		CYCLOTELLA	23	Diatom
AUG. 12...	27,000	CYCLOTELLA	34	Diatom
		SCENEDESMUS	26	Green
		NITZSCHIA	23	Diatom
SEP. 16...	17,000	GOMPHOSPHAERIA	54	Blue-green
		NAVICULA	17	Diatom

PERIPHYTON

DATE	EXPOSURE TIME, DAYS	BIOMASS ASH WEIGHT G/M² (00572)	BIOMASS DRY WEIGHT G/M² (00573)	UNCORRECTED PERIPHYTON CHLOROPHYLL B MG/M² (32226)	UNCORRECTED PERIPHYTON CHLOROPHYLL A MG/M² (32228)
NOV. 26...	27	70	---	12	40
MAR. 18...	27	150	170	.4	5.0
JULY 29...	35	43	48	5.6	48

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.
(Irrigation network station)

LOCATION.--Lat 41°12'30", long 101°37'50", in SW¼ sec.1, T.14 N., R.38 W., Keith County, on right bank 0.2 mi (0.3 km) downstream from diversion dam of Sutherland Reservoir supply canal and 2.5 mi (4.0 km) southwest of Keystone.

DRAINAGE AREA.--33,300 mi^2 (86,200 km^2), approximately, of which about 25,800 mi^2 (66,800 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1972 to September 1973 (partial-record station), October 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)
OCT.									
01...	1030	101	23	40	60	55	19	79	9.6
09...	1230	96	--	--	--	--	--	--	--
17...	1200	4.3	--	--	--	--	--	--	--
NOV.									
04...	1250	3.8	--	--	--	--	--	--	--
12...	1120	4.4	--	--	--	--	--	--	--
18...	1235	3.8	--	--	--	--	--	--	--
DEC.									
02...	1310	3.9	--	--	--	--	--	--	--
12...	1215	3.0	--	--	--	--	--	--	--
18...	1225	3.1	--	--	--	--	--	--	--
30...	1240	3.1	19	60	310	56	18	88	9.5
JAN.									
03...	1315	2.6	--	--	--	--	--	--	--
13...	1345	2.8	--	--	--	--	--	--	--
20...	1235	2.6	--	--	--	--	--	--	--
27...	1315	2.4	--	--	--	--	--	--	--
FEB.									
05...	1300	2.1	--	--	--	--	--	--	--
10...	1040	2.5	--	--	--	--	--	--	--
18...	1120	2.3	--	--	--	--	--	--	--
24...	1210	2.2	--	--	--	--	--	--	--
MAR.									
03...	1250	2.4	--	--	--	--	--	--	--
10...	1335	2.3	--	--	--	--	--	--	--
17...	1220	4.3	--	--	--	--	--	--	--
25...	1205	3.3	--	--	--	--	--	--	--
31...	1030	3.0	19	30	500	60	22	83	9.1
APR.									
02...	1315	2.1	--	--	--	--	--	--	--
09...	1215	3.0	--	--	--	--	--	--	--
16...	1320	2.3	--	--	--	--	--	--	--
23...	1240	2.5	--	--	--	--	--	--	--
MAY									
02...	1245	2.6	--	--	--	--	--	--	--
09...	1120	295	--	--	--	--	--	--	--
15...	1150	137	--	--	--	--	--	--	--
21...	1255	216	--	--	--	--	--	--	--
29...	1045	295	--	--	--	--	--	--	--
30...	1015	230	23	10	30	56	18	78	11

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)
JUNE									
02...	1235	240	--	--	--	--	--	--	--
09...	1145	228	--	--	--	--	--	--	--
16...	1115	960	--	--	--	--	--	--	--
23...	1210	178	--	--	--	--	--	--	--
30...	1015	263	20	10	40	56	20	76	9.5
JULY									
02...	0930	1420	--	--	--	--	--	--	--
07...	1100	2100	--	--	--	--	--	--	--
23...	1150	2120	--	--	--	--	--	--	--
AUG.									
01...	1220	1840	--	--	--	--	--	--	--
07...	1145	1420	--	--	--	--	--	--	--
14...	1230	1850	--	--	--	--	--	--	--
20...	1200	1340	--	--	--	--	--	--	--
28...	1230	1480	--	--	--	--	--	--	--
SEP.									
02...	1050	1470	--	--	--	--	--	--	--
09...	1225	1030	--	--	--	--	--	--	--
22...	1125	125	--	--	--	--	--	--	--

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)
OCT.									
01...	218	0	179	170	17	.5	.20	.05	481
09...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
NOV.									
04...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
DEC.									
02...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
30...	218	0	179	180	18	.5	.11	.04	489
JAN.									
03...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
FEB.									
05...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
MAR.									
03...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
31...	237	0	194	180	20	.5	.29	.01	512
APR.									
02...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
MAY									
02...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
30...	225	0	185	170	19	.5	.55	.01	489

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)
JUNE									
02...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
30...	218	0	179	180	18	.5	.35	.01	489
JULY									
02...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
AUG.									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
SEP.									
02...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
22...	--	-	--	--	--	--	--	--	--

06690500 NORTH PLATTE RIVER NEAR KEYSTONE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
01...	.65	131	220	37	2.3	749	15.5	7	110
09...	--	--	--	--	--	737	--	--	--
17...	--	--	--	--	--	756	--	--	--
NOV.									
04...	--	--	--	--	--	752	--	--	--
12...	--	--	--	--	--	757	--	--	--
18...	--	--	--	--	--	754	--	--	--
DEC.									
02...	--	--	--	--	--	762	--	--	--
12...	--	--	--	--	--	753	--	--	--
18...	--	--	--	--	--	770	--	--	--
30...	.67	4.09	210	35	2.4	760	1.0	2	130
JAN.									
03...	--	--	--	--	--	765	--	--	--
13...	--	--	--	--	--	790	--	--	--
20...	--	--	--	--	--	744	--	--	--
27...	--	--	--	--	--	756	--	--	--
FEB.									
05...	--	--	--	--	--	752	--	--	--
10...	--	--	--	--	--	774	--	--	--
18...	--	--	--	--	--	752	--	--	--
24...	--	--	--	--	--	757	--	--	--
MAR.									
03...	--	--	--	--	--	749	--	--	--
10...	--	--	--	--	--	757	--	--	--
17...	--	--	--	--	--	756	--	--	--
25...	--	--	--	--	--	713	--	--	--
31...	.70	4.15	240	46	2.3	785	2.0	0	130
APR.									
02...	--	--	--	--	--	756	--	--	--
09...	--	--	--	--	--	742	--	--	--
16...	--	--	--	--	--	744	--	--	--
23...	--	--	--	--	--	750	--	--	--
MAY									
02...	--	--	--	--	--	762	--	--	--
09...	--	--	--	--	--	745	--	--	--
15...	--	--	--	--	--	720	--	--	--
21...	--	--	--	--	--	738	--	--	--
29...	--	--	--	--	--	753	--	--	--
30...	.67	304	210	29	2.3	765	11.0	3	130

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
JUNE									
02...	--	--	--	--	--	742	--	--	--
09...	--	--	--	--	--	726	--	--	--
16...	--	--	--	--	--	755	--	--	--
23...	--	--	--	--	--	761	--	--	--
30...	.67	347	220	41	2.2	732	17.5	9	130
JULY									
02...	--	--	--	--	--	748	--	--	--
07...	--	--	--	--	--	745	--	--	--
23...	--	--	--	--	--	758	--	--	--
AUG.									
01...	--	--	--	--	--	747	--	--	--
07...	--	--	--	--	--	745	--	--	--
14...	--	--	--	--	--	745	--	--	--
20...	--	--	--	--	--	742	--	--	--
28...	--	--	--	--	--	760	--	--	--
SEP.									
02...	--	--	--	--	--	447	--	--	--
09...	--	--	--	--	--	447	--	--	--
22...	--	--	--	--	--	452	--	--	--

06762550 LODGEPOLE CREEK AT KIMBALL, NEBR

LOCATION.--Lat 41°14'50", long 103°38'32", in NW¼SW¼NW¼ sec.29, T.15 N., R.55 W., Kimball County, at bridge on county road 0.8 mi (1.3 km) north of U.S. Highway 30 at east edge of Kimball.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 07...	1215	2.6	43	80	10	64	18	47	11	293	0
NOV. 18...	1250	5.8	48	370	0	70	16	37	7.7	289	0
DEC. 16...	1300	4.1	--	--	--	--	--	--	--	--	--
JAN. 20...	1230	9.1	--	--	--	--	--	--	--	--	--
FEB. 10...	1320	7.3	48	10	0	63	16	37	7.6	277	0
MAR. 17...	1250	7.9	--	--	--	--	--	--	--	--	--
APR. 14...	1300	8.8	--	--	--	--	--	--	--	--	--
MAY 12...	1330	4.0	35	100	30	61	15	39	9.8	242	0
JUNE 16...	1300	1.3	--	--	--	--	--	--	--	--	--
JULY 14...	1230	.50	--	--	--	--	--	--	--	--	--
AUG. 11...	1300	1.6	36	10	0	53	17	37	10	242	0
SEP. 15...	1245	2.6	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT. 07...	240	44	37	1.0	4.9	4.4	3.8	1.4	5.2	10
NOV. 18...	237	43	29	.8	2.2	2.2	1.9	.60	2.5	4.7
DEC. 16...	--	--	32	--	2.7	2.1	2.9	1.0	3.9	6.6
JAN. 20...	--	--	26	--	2.2	2.1	1.2	1.3	2.5	4.7
FEB. 10...	227	41	28	.7	2.5	2.5	1.3	1.0	2.3	4.8
MAR. 17...	--	--	26	--	3.1	2.2	.72	1.2	1.9	5.0
APR. 14...	--	--	24	--	2.9	2.9	.63	.87	1.5	4.4
MAY 12...	198	40	39	.7	2.4	2.2	2.1	1.7	3.8	6.2
JUNE 16...	--	--	26	--	2.3	2.1	.22	.88	1.1	3.4
JULY 14...	--	--	42	--	2.9	--	.24	1.3	1.5	4.4
AUG. 11...	198	41	26	.8	2.1	--	.17	.71	.88	3.0
SEP. 15...	--	--	24	--	1.6	--	.27	.93	1.2	2.8

06762550 LODGEPOLE CREEK AT KIMBALL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT.										
07...	2.8	2.0	--	429	.58	3.13	230	0	1.3	674
NOV.										
18...	1.9	1.0	--	404	.55	6.33	240	3	1.0	609
DEC.										
16...	1.8	.97	410	--	.56	4.54	--	--	--	650
JAN.										
20...	.79	.70	385	--	.52	9.46	--	--	--	585
FEB.										
10...	.75	.69	--	389	.53	7.67	220	0	1.1	593
MAR.										
17...	.75	.55	375	--	.51	8.00	--	--	--	572
APR.										
14...	.53	.40	363	--	.49	8.62	--	--	--	563
MAY										
12...	1.4	1.2	--	369	.50	3.99	210	11	1.2	575
JUNE										
16...	1.1	.89	320	--	.44	1.12	--	--	--	504
JULY										
14...	3.7	3.7	417	--	.57	.56	--	--	--	735
AUG.										
11...	1.5	1.2	--	340	.46	1.55	200	4	1.1	562
SEP.										
15...	.74	.65	355	--	.48	2.49	--	--	--	610

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.										
07...	7.9	12.0	20	25	10.4	10	100000	14000	--	270
NOV.										
18...	8.1	9.0	5	30	13.2	7.8	53000	14000	7	140
DEC.										
16...	7.8	1.5	--	30	11.4	10	50000	24000	--	--
JAN.										
20...	7.4	2.0	--	35	15.0	7.8	80000	16000	--	--
FEB.										
10...	7.4	.0	10	30	12.0	8.2	134000	8600	--	120
MAR.										
17...	7.2	7.0	--	45	11.2	4.4	13000	9900	--	--
APR.										
14...	7.6	11.0	--	45	11.4	5.3	5800	4800	--	--
MAY										
12...	7.6	10.0	10	20	10.8	9.0	51000	6600	4	130
JUNE										
16...	7.7	18.5	--	10	13.6	14	330	290	--	--
JULY										
14...	7.7	24.0	--	15	9.4	11	170	833	--	--
AUG.										
11...	7.9	23.0	20	25	11.9	9.9	1500	2200	--	140
SEP.										
15...	7.5	18.0	--	30	11.2	--	230	260	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
07...	--	--	--	--	--	--	--	--	--	--
NOV.										
18...	0	0	10	2	.1	.1	.0	1	0	110
DEC.										
16...	--	--	--	--	--	--	--	--	--	--
JAN.										
20...	--	--	--	--	--	--	--	--	--	--
FEB.										
10...	--	--	--	--	--	--	--	--	--	--
MAR.										
17...	--	--	--	--	--	--	--	--	--	--
APR.										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
12...	2	0	20	1	.0	.0	.0	1	0	130
JUNE										
16...	--	--	--	--	--	--	--	--	-	--
JULY										
14...	--	--	--	--	--	--	--	--	--	--
AUG.										
11...	--	--	--	--	--	--	--	--	--	--
SEP.										
15...	--	--	--	--	--	--	--	--	--	--

06768000 PLATTE RIVER NEAR OVERTON, NEBR.

LOCATION.--Lat 40°40'57", long 99°23'24" (north chan.), and lat 40°40'48", long 99°32'23" (south chan.), in sec.12, T.8 N., R.20 W., Dawson-Phelps County line, at gaging station at highway bridges 4 mi (6.4 km) south of Overton and 4 mi (6.4 km) downstream from Plum Creek.

DRAINAGE AREA.--61,700 mi^2 (160,000 km^2), approximately, of which about 52,900 mi^2 (137,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1951 to September 1952, November 1958 to September 1975.
Water temperatures: November 1958 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 971 micromhos May 31 (south chan.); minimum daily, 329 micromhos June 20 (south chan.).
Water temperatures: Maximum, 33.5°C Aug. 4, 9, 10, 12 (south chan.); minimum, freezing point Jan. 14, 15, 16, 17 (south chan.).

Period of record:
Specific conductance (1958-75): Maximum daily, 1,480 micromhos May 15, 1966 (south chan.); minimum daily, 214 micromhos July 23, 1968 (south chan.).
Water temperatures: Maximum, 37.0°C June 13, 1959 (south chan.), July 9, 1960 (north chan.); minimum, freezing point on many days during winter period.

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 17...	1115	496	27	60	10	68	19	73	11	238
NOV. 14...	1415	626	32	10	40	72	20	67	7.0	251
DEC. 18...	1340	1130	36	40	10	76	22	68	13	248
JAN. 15...	1405	1200	27	10	0	71	22	75	9.8	220
FEB. 20...	1250	1390	35	30	30	64	22	63	13	257
MAR. 20...	1415	1380	--	20	20	75	24	65	12	244
APR. 17...	1420	1380	33	10	30	72	22	60	6.7	247
MAY 15...	1235	1230	27	20	10	78	24	74	15	247
JUNE 19...	1110	1460	24	50	5	71	21	67	17	225
JULY 17...	1410	264	32	10	20	84	24	76	15	261
AUG. 21...	1315	193	32	0	20	79	24	78	15	269
SEP. 17...	1340	1050	26	10	10	68	23	80	12	228

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 17...	0	195	190	22	.5	.33	.04	529	.72
NOV. 14...	0	206	180	21	.5	.79	.09	527	.72
DEC. 18...	0	203	180	23	.4	.98	.09	545	.74
JAN. 15...	0	180	210	27	.5	.52	.03	553	.75
FEB. 20...	0	211	170	21	.4	1.4	.09	521	.71
MAR. 20...	0	200	180	23	.7	.41	.05	509	.69
APR. 17...	0	203	170	22	.5	1.2	.07	513	.70
MAY 15...	0	203	210	27	.5	.77	.05	581	.79
JUNE 19...	0	185	190	29	.5	.59	.20	533	.72
JULY 17...	0	214	210	26	.5	.45	--	598	.81
AUG. 21...	0	221	220	25	.5	.56	.03	609	.83
SEP. 17...	0	187	210	22	.5	.63	.03	557	.76

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 17...	708	250	53	2.0	804	--	13.0	3	120
NOV. 14...	891	260	56	1.8	812	--	7.0	3	130
DEC. 18...	1660	280	77	1.8	818	--	3.0	3	120
JAN. 15...	1790	270	87	2.0	842	--	1.0	5	120
FEB. 20...	1960	250	40	1.7	819	--	2.0	5	110
MAR. 20...	1900	290	86	1.7	818	--	7.0	3	110
APR. 17...	1910	270	68	1.6	785	--	10.0	4	110
MAY 15...	1930	290	91	1.9	886	--	21.0	4	100
JUNE 19...	2100	260	79	1.8	804	--	21.0	35	120
JULY 17...	426	310	95	1.9	882	--	25.0	15	140
AUG. 21...	317	300	75	2.0	887	--	26.0	4	120
SEP. 17...	1580	260	78	2.1	874	7.6	25.0	5	140

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	804	802	818	826	828	776	787	819	938	871	788	867
2	800	794	818	833	838	799	805	818	935	869	781	873
3	793	794	814	833	832	771	805	820	935	892	789	869
4	795	799	806	825	766	793	809	820	933	888	818	864
5	778	799	800	831	786	792	794	822	938	892	794	847
6	778	799	797	829	784	798	796	864	933	892	820	864
7	807	801	795	798	819	800	787	853	935	830	830	862
8	788	802	793	805	890	788	764	877	935	826	840	876
9	811	795	816	781	822	793	762	879	703	830	859	876
10	811	792	804	800	816	788	759	857	784	840	857	882
11	811	803	802	888	818	815	764	855	806	833	918	878
12	804	809	798	890	816	815	775	828	840	827	898	878
13	804	807	798	926	824	805	773	832	876	864	861	862
14	804	804	792	895	826	809	772	838	890	839	870	862
15	804	809	792	857	820	798	775	854	892	868	886	873
16	798	803	812	811	816	798	782	864	910	890	884	869
17	820	805	799	822	816	782	777	861	905	897	886	867
18	809	802	816	782	813	790	769	859	802	906	891	864
19	809	802	806	785	831	784	753	881	822	880	866	880
20	805	802	796	750	831	793	756	884	709	879	880	882
21	812	802	802	740	788	791	787	950	617	873	896	882
22	784	807	801	765	777	786	789	926	610	804	896	845
23	811	800	800	779	779	777	726	861	740	829	896	845
24	800	800	820	764	810	793	754	879	838	864	898	845
25	809	792	818	778	760	819	756	876	858	880	894	871
26	812	800	842	777	735	813	774	881	892	879	901	876
27	812	801	817	775	745	793	776	879	885	880	906	871
28	796	798	843	800	765	788	791	875	900	904	901	869
29	800	820	842	828	---	805	802	875	892	887	896	860
30	792	818	840	829	---	784	810	884	885	887	889	850
31	770	---	830	832	---	809	---	929	---	887	886	---
MONTH	801	802	811	814	805	795	778	861	851	867	867	867

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.5	14.5	1.0	2.0	3.0	8.0	1.0	12.0	20.0	26.0	22.0	25.0
2	12.0	11.0	1.0	2.0	2.0	6.0	1.0	12.0	21.0	25.0	24.0	23.0
3	14.5	10.0	4.5	2.0	2.0	5.0	4.0	16.0	19.0	27.0	24.0	22.0
4	16.5	12.0	4.5	3.0	1.0	1.0	6.0	23.0	22.0	29.0	25.0	21.0
5	13.5	10.0	6.5	2.0	1.0	4.0	9.0	19.0	23.0	25.0	24.0	20.0
6	14.5	10.0	4.5	2.0	1.0	4.0	7.0	14.0	23.0	24.0	23.0	21.0
7	13.5	11.0	4.5	2.0	1.0	3.0	8.0	15.0	24.0	24.0	23.0	20.0
8	14.5	11.0	3.5	2.0	1.0	4.0	9.0	16.0	22.0	27.0	21.0	20.0
9	14.5	11.0	3.5	2.0	1.0	2.0	9.0	17.0	19.0	23.0	25.0	21.0
10	16.5	10.0	4.5	1.0	2.0	5.0	10.0	18.0	18.0	26.0	25.0	22.0
11	15.5	10.0	3.5	1.0	2.0	1.0	7.0	18.0	19.0	26.0	25.0	19.0
12	13.5	9.0	4.5	1.0	1.0	1.0	9.0	17.0	20.0	27.0	25.0	18.0
13	14.5	8.0	3.5	1.0	1.0	4.0	8.0	14.0	21.0	23.0	22.0	17.0
14	12.0	5.5	2.0	2.0	1.0	6.0	9.0	16.0	22.0	23.0	19.0	17.0
15	11.0	6.5	1.0	1.0	1.0	4.0	11.0	17.0	22.0	24.0	22.0	20.0
16	13.5	9.0	3.5	1.0	2.0	2.0	11.0	18.0	21.0	24.0	24.0	17.0
17	14.5	5.5	3.0	1.0	2.0	5.0	12.0	19.0	22.0	24.0	24.0	17.0
18	15.5	9.0	3.0	2.0	1.0	5.0	7.0	18.0	20.0	24.0	23.0	18.0
19	13.5	10.0	3.5	2.0	3.0	5.0	7.0	20.0	22.0	25.0	26.0	17.0
20	11.0	5.5	4.0	1.0	3.0	11.0	8.0	22.0	23.0	26.0	24.0	16.0
21	13.5	8.0	3.5	1.0	4.0	7.0	12.0	16.0	20.0	25.0	26.0	16.0
22	14.5	9.0	3.0	2.0	2.0	5.0	14.0	21.0	20.0	26.0	24.0	17.0
23	14.5	3.5	2.0	4.0	2.0	8.0	15.0	17.0	22.0	25.0	26.0	20.0
24	15.5	1.0	2.0	7.0	2.0	1.0	16.0	20.0	24.0	25.0	25.0	21.0
25	13.5	5.5	1.0	4.0	3.0	1.0	15.0	19.0	24.0	24.0	20.0	17.0
26	14.5	5.5	1.5	2.0	3.0	1.0	18.0	21.0	24.0	25.0	22.0	15.0
27	13.5	4.5	2.0	1.0	2.0	5.0	18.0	20.0	24.0	25.0	22.0	15.0
28	13.5	5.5	4.0	2.0	3.0	1.0	13.0	20.0	25.0	26.0	24.0	16.0
29	13.5	2.0	4.0	1.0	---	1.0	12.0	22.0	24.0	26.0	23.0	17.0
30	15.5	2.0	2.0	4.0	---	3.0	11.0	23.0	25.0	24.0	22.0	17.0
31	14.5	---	4.0	2.0	---	5.0	---	24.0	---	24.0	29.0	---
MONTH	14.0	8.0	3.0	2.0	2.0	4.0	10.0	18.0	22.0	25.0	23.5	18.5

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 17...	1200	105	20	10	0	62	20	75	10	217
NOV. 14...	1515	292	21	10	10	65	20	74	6.0	225
DEC. 18...	1425	291	24	10	10	65	20	75	10	218
JAN. 15...	1600	213	27	10	0	69	22	75	9.9	221
FEB. 20...	1330	375	29	20	0	81	25	84	11	241
MAR. 20...	1450	416	26	10	0	80	28	83	10	223
APR. 17...	1440	328	26	10	70	78	26	84	5.4	213
MAY 15...	1310	339	11	20	5	70	27	90	10	172
JUNE 19...	1200	399	13	40	0	52	24	77	13	175
JULY 17...	1445	29	23	10	10	73	26	81	12	206
AUG. 21...	1450	46	23	10	0	71	26	83	13	224
SEP. 17...	1425	305	21	10	0	57	22	83	11	199

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 17...	0	178	190	20	.5	.51	.01	507	.69
NOV. 14...	0	185	180	20	.5	.65	.02	500	.68
DEC. 18...	0	179	210	23	.5	.36	.01	537	.73
JAN. 15...	0	181	210	27	.5	.49	.05	552	.75
FEB. 20...	0	198	250	28	.5	.99	.03	632	.86
MAR. 20...	0	183	260	30	.4	.66	.01	630	.86
APR. 17...	0	175	260	32	.5	.68	.01	620	.84
MAY 15...	0	141	300	34	.5	.46	.01	630	.86
JUNE 19...	0	144	230	28	.4	.69	.09	527	.72
JULY 17...	0	169	240	29	.5	.50	.03	588	.80
AUG. 21...	0	184	240	27	.5	.61	.03	597	.81
SEP. 17...	0	163	230	22	.5	.27	.00	546	.74

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 17...	144	240	59	2.1	788	--	13.0	10	50
NOV. 14...	394	240	60	2.1	796	--	7.0	5	140
DEC. 18...	422	240	66	2.1	810	--	3.0	5	130
JAN. 15...	317	260	82	2.0	845	--	.0	3	110
FEB. 20...	640	310	110	2.1	940	--	2.0	5	130
MAR. 20...	708	320	130	2.0	940	--	7.0	3	150
APR. 17...	549	300	130	2.1	959	--	11.0	4	130
MAY 15...	577	290	140	2.3	982	--	19.0	2	220
JUNE 19...	568	230	85	2.2	841	--	21.0	47	140
JULY 17...	44.5	290	120	2.1	897	--	28.0	10	140
AUG. 21...	74.8	280	100	2.1	881	--	26.0	9	130
SEP. 17...	450	230	70	2.4	858	7.6	23.0	6	150

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794	771	793	835	873	928	940	942	962	915	926	873
2	798	783	805	867	870	925	932	945	968	907	926	873
3	798	777	806	841	872	925	944	922	968	920	932	871
4	794	780	800	855	876	930	947	922	970	920	932	856
5	790	777	802	852	853	928	944	922	970	918	892	854
6	795	781	796	861	866	920	947	929	968	916	924	845
7	786	783	800	853	886	920	939	940	970	926	924	842
8	784	778	800	876	818	920	939	934	970	920	924	845
9	781	771	795	854	881	923	942	937	641	891	919	847
10	784	770	799	864	884	918	947	917	848	918	921	849
11	785	786	803	938	880	920	947	922	823	923	890	854
12	785	790	804	938	884	920	947	912	902	895	914	856
13	787	788	800	879	887	922	950	912	938	946	885	855
14	782	788	791	860	894	933	944	950	946	963	892	858
15	783	793	792	867	894	933	942	945	948	944	897	878
16	777	789	804	865	845	936	947	947	951	944	899	851
17	787	789	811	875	899	928	944	962	951	933	899	836
18	786	789	812	873	893	938	919	949	900	944	904	837
19	792	792	816	869	902	928	944	963	825	938	904	841
20	783	789	820	885	902	930	949	963	329	938	899	841
21	788	785	802	872	914	946	944	891	473	957	899	843
22	784	789	802	875	910	938	949	915	474	827	897	812
23	786	790	820	873	919	930	928	949	619	915	912	808
24	790	781	820	875	932	933	904	949	648	949	892	810
25	781	786	816	888	914	923	921	952	870	946	902	828
26	784	790	816	890	924	930	914	949	899	944	904	830
27	786	790	827	881	922	920	919	952	906	944	892	828
28	782	792	821	875	930	944	921	949	917	944	888	822
29	771	794	820	886	---	938	929	949	912	928	883	818
30	766	791	828	875	---	946	916	957	924	931	878	820
31	777	---	832	875	---	936	---	971	---	861	876	---
MONTH	785	785	808	873	890	929	937	939	846	925	904	843

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	14.5	14.5	12.0	4.0	3.0	3.0	1.5	1.0	0.5	4.5	3.5
2	16.0	13.5	14.0	12.0	4.0	3.0	3.0	1.5	3.0	1.0	3.5	3.5
3	17.0	14.5	13.0	12.0	4.5	3.0	3.0	1.5	2.0	1.5	3.5	3.0
4	18.0	15.5	13.0	11.0	4.5	3.0	3.0	1.5	2.0	1.5	3.5	2.0
5	16.0	14.5	11.5	9.0	4.5	3.5	3.0	1.5	1.5	1.0	4.5	3.0
6	16.0	14.0	10.0	8.5	5.0	4.0	3.0	1.0	1.0	0.5	4.0	3.0
7	16.0	13.0	10.0	8.5	4.5	3.5	4.0	1.5	1.5	0.5	3.5	1.5
8	16.5	14.0	9.5	9.0	3.5	2.0	3.5	2.0	1.5	1.5	3.0	2.0
9	16.5	14.0	10.0	9.0	4.0	1.5	3.5	2.0	1.5	0.5	2.0	1.5
10	18.0	14.5	10.0	8.5	4.0	2.0	3.0	1.5	2.0	0.5	3.0	1.5
11	17.0	15.0	9.0	8.0	4.0	3.0	2.0	1.0	3.0	1.5	3.0	2.0
12	15.5	14.5	9.0	6.5	4.0	3.0	1.0	0.5	3.0	1.5	4.0	1.5
13	15.5	14.0	8.0	6.0	3.5	3.0	0.5	0.5	1.5	1.0	4.0	1.5
14	15.0	13.5	7.0	5.5	3.0	1.0	0.5	0.0	1.5	1.0	4.0	1.5
15	14.5	12.0	8.0	5.5	1.5	1.0	0.5	0.0	1.5	1.0	3.5	2.0
16	15.0	12.0	8.0	6.0	2.0	1.5	0.5	0.0	2.0	1.0	4.5	3.0
17	15.5	13.0	8.5	6.0	3.0	1.5	1.5	0.0	3.0	1.5	4.0	3.5
18	15.5	13.5	8.0	6.5	4.0	1.5	3.0	1.0	3.0	1.5	7.0	2.0
19	15.5	13.0	8.5	6.5	3.5	2.0	2.0	1.5	3.0	1.0	8.5	4.5
20	15.0	12.0	8.5	6.0	4.0	3.0	2.0	0.5	3.0	1.0	9.0	5.5
21	15.5	13.0	9.0	6.0	4.5	3.5	2.0	1.0	3.0	1.5	8.0	6.0
22	14.5	13.5	9.5	6.5	4.5	4.0	2.0	0.5	2.0	1.5	7.0	5.5
23	15.5	13.5	7.0	6.0	4.5	4.0	2.0	0.5	2.0	1.0	6.5	5.0
24	15.5	14.0	8.0	5.5	4.0	3.5	3.0	1.0	3.0	1.0	5.0	3.5
25	14.5	14.0	7.0	5.5	3.5	2.0	3.0	1.5	5.5	1.0	5.5	3.0
26	14.5	13.5	7.0	5.5	3.0	2.0	3.5	2.0	3.5	1.0	5.5	3.5
27	15.5	14.0	6.5	5.0	3.5	2.0	2.0	2.0	4.0	1.0	6.5	4.5
28	15.5	14.5	5.5	4.5	3.0	1.5	2.0	1.5	4.0	1.5	5.0	3.5
29	16.0	14.0	4.5	3.5	2.0	1.0	1.5	1.0	---	---	5.0	3.0
30	15.0	14.0	3.5	3.5	2.0	1.0	2.0	1.0	---	---	6.5	3.0
31	14.5	13.0	---	---	3.0	1.5	1.5	1.0	---	---	6.5	4.0
MONTH	18.0	12.0	14.5	3.5	5.0	1.0	4.0	0.0	5.5	0.5	9.0	1.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.0	3.5	16.5	15.0	21.0	19.0	28.0	25.0	30.0	27.0	26.0	23.0
2	5.0	3.0	17.0	15.5	23.0	19.5	28.5	24.5	33.0	28.0	25.0	23.0
3	6.0	3.5	19.0	15.5	24.5	20.5	28.0	24.5	33.0	29.0	24.0	21.5
4	7.0	4.0	20.0	16.0	25.0	21.5	28.5	25.0	33.5	29.0	22.0	20.5
5	8.5	5.5	20.5	17.0	25.5	21.5	29.0	25.0	33.0	29.0	23.5	21.0
6	8.0	7.0	20.5	18.5	24.5	22.0	29.0	25.0	31.5	29.0	24.0	20.5
7	8.0	7.0	20.5	16.5	25.5	21.5	28.5	24.5	32.0	28.5	23.0	21.0
8	9.5	6.5	20.5	17.0	23.5	21.0	26.5	24.5	31.0	28.5	23.0	20.5
9	9.5	6.5	21.0	18.0	23.0	20.5	25.0	20.0	33.5	28.0	24.0	20.5
10	9.0	6.5	20.0	18.0	21.0	20.0	23.0	20.0	33.5	29.0	25.0	21.0
11	8.5	6.5	20.0	18.0	22.0	19.5	23.0	20.0	33.0	29.5	23.5	19.5
12	9.5	6.0	20.0	17.0	23.5	20.0	23.5	19.5	33.5	29.0	21.5	18.5
13	8.5	8.0	19.5	18.0	24.5	20.5	24.0	19.5	30.0	19.5	20.5	18.5
14	10.0	7.0	22.0	18.0	24.0	21.5	24.5	20.0	21.5	19.0	19.5	18.0
15	9.5	8.0	23.0	18.5	24.5	20.5	24.5	20.5	24.0	19.5	21.0	18.0
16	12.0	8.5	23.0	19.0	25.0	21.5	25.0	20.5	24.5	20.0	19.5	18.0
17	12.0	9.5	24.0	19.5	25.0	21.5	25.0	20.5	25.5	21.0	24.0	18.0
18	10.0	8.5	24.5	20.5	23.0	21.0	26.0	21.0	25.5	21.0	21.0	20.0
19	10.5	7.0	24.5	21.0	25.0	21.5	26.0	22.0	25.5	21.0	20.5	18.5
20	10.5	8.5	25.5	21.0	24.0	21.0	25.5	21.5	28.0	24.5	20.0	17.0
21	11.0	9.0	24.5	20.0	23.0	21.5	25.0	21.5	28.5	24.0	19.5	16.5
22	12.0	10.0	23.5	20.5	23.5	21.0	25.5	21.0	28.0	24.0	20.0	16.0
23	16.0	11.0	24.0	20.5	24.5	22.0	33.0	22.0	28.5	24.0	20.0	16.5
24	16.0	14.5	24.0	20.0	25.5	23.5	32.0	28.5	28.5	24.5	19.5	16.5
25	16.5	14.5	23.5	20.5	26.5	24.0	31.5	28.0	26.0	23.0	19.0	15.5
26	18.5	16.0	23.5	19.5	25.5	24.0	32.0	26.5	25.0	21.0	19.5	16.0
27	18.5	18.0	21.5	20.0	25.5	23.0	33.0	27.0	26.0	22.0	19.0	17.0
28	17.0	16.0	20.5	19.0	25.5	23.5	33.0	28.0	26.0	23.0	19.0	17.0
29	16.5	15.0	19.5	18.5	26.0	23.5	33.0	28.0	26.5	22.0	19.5	16.5
30	17.0	15.0	21.0	18.0	27.0	24.0	33.0	28.5	26.0	22.0	19.0	17.0
31	---	---	21.0	18.5	---	---	30.0	28.5	27.0	23.5	---	---
MONTH	18.5	3.0	25.5	15.0	27.0	19.0	33.0	19.5	33.5	19.0	26.0	15.5

06768015 SPRING CREEK BELOW LEXINGTON, NEBR.

LOCATION.--Lat 40°45'13", long 99°40'22", in NW¼SW¼NW¼ sec.13, T.9 N., R.21 W., Dawson County, at bridge on county road 0.5 mi (0.8 km) south of U.S. Highway 30, 0.1 mi (0.2 km) downstream from Dawson County Drain No. 1, and 3.2 mi (5.6 km) southeast of Lexington.

PERIOD OF RECORD.--Chemical analyses: June 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 30...	1230	8.8	35	50	20	82	20	86	27	284	0
NOV. 26...	1215	7.0	--	--	--	--	--	--	--	--	--
DEC. 24...	1215	6.0	--	--	--	--	--	--	--	--	--
JAN. 21...	1300	5.0	51	90	30	100	27	210	34	416	0
FEB. 19...	1345	2.8	--	--	--	--	--	--	--	--	--
MAR. 13...	1300	2.6	--	--	--	--	--	--	--	--	--
APR. 15...	1330	5.8	40	50	30	100	31	130	32	387	0
MAY 28...	1500	18	--	--	--	--	--	--	--	--	--
JUNE 23...	1045	100	--	--	--	--	--	--	--	--	--
JULY 23...	1430	45	36	110	20	81	25	110	20	276	0
AUG. 19...	1015	43	--	--	--	--	--	--	--	--	--
SEP. 15...	1015	10	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 30...	233	170	70	.4	3.2	3.1	.41	2.6	3.0	6.2
NOV. 26...	--	--	200	--	6.5	5.5	.10	6.5	6.6	13
DEC. 24...	--	--	120	--	4.4	2.2	3.4	2.1	5.5	9.9
JAN. 21...	341	260	200	.5	4.1	3.8	6.4	1.6	8.0	12
FEB. 19...	--	--	150	--	3.6	3.7	4.0	4.6	8.6	12
MAR. 13...	--	--	200	--	4.0	3.9	4.6	1.8	6.4	10
APR. 15...	317	220	110	1.0	4.5	4.2	1.5	.70	2.2	6.7
MAY 28...	--	--	28	--	.12	.12	.06	1.8	1.9	2.0
JUNE 23...	--	--	16	--	.16	.16	.38	2.4	2.8	3.0
JULY 23...	226	230	58	.6	2.0	--	.04	1.9	1.9	3.9
AUG. 19...	--	--	95	--	2.1	--	.03	1.8	1.8	3.9
SEP. 15...	--	--	39	--	2.3	--	.03	.97	1.0	3.3

06768015 SPRING CREEK BELOW LEXINGTON, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 30...	3.0	2.3	--	644	.88	15.3	290	57	2.2	980
NOV. 26...	7.5	6.7	1050	--	1.43	19.8	--	--	--	1380
DEC. 24...	5.0	4.4	943	--	1.28	15.3	--	--	--	1380
JAN. 21...	4.9	4.8	--	1110	1.51	15.0	360	19	4.8	1760
FEB. 19...	4.3	4.0	885	--	1.20	6.69	--	--	--	1440
MAR. 13...	5.0	4.8	923	--	1.26	6.48	--	--	--	1520
APR. 15...	4.5	4.1	--	874	1.19	13.7	380	63	2.9	1380
MAY 28...	.25	.05	621	--	.84	30.2	--	--	--	897
JUNE 23...	1.3	1.1	324	--	.44	87.5	--	--	--	481
JULY 23...	1.4	1.1	--	697	.95	84.7	310	79	2.7	1060
AUG. 19...	.95	.62	769	--	1.05	89.3	--	--	--	1100
SEP. 15...	1.3	1.1	660	--	.90	17.8	--	--	--	870

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 30...	7.6	12.5	20	--	--	17	--	--	--	130
NOV. 26...	7.6	4.0	--	25	11.3	26	2700	7300	--	--
DEC. 24...	7.5	.0	--	17	13.2	10	4000	1900	--	--
JAN. 21...	7.5	2.0	40	--	--	16	--	--	11	330
FEB. 19...	7.5	3.0	--	17	9.6	11	5000	1400	--	--
MAR. 13...	7.6	4.0	--	15	12.1	13	6400	460	--	--
APR. 15...	8.2	9.0	20	15	15.3	11	22000	500	--	280
MAY 28...	7.8	18.0	--	60	9.6	22	8600	25000	--	--
JUNE 23...	7.8	21.0	--	140	3.6	29	11400	<50	--	--
JULY 23...	7.5	27.0	40	50	7.8	11	>60000	30000	11	170
AUG. 19...	7.4	22.0	--	70	7.1	14	54000	4200	--	--
SEP. 15...	8.1	16.0	--	30	10.0	--	78000	1000	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 30...	--	--	--	--	--	--	--	--	--	--
NOV. 26...	--	--	--	--	--	--	--	--	--	--
DEC. 24...	--	--	--	--	--	--	--	--	--	--
JAN. 21...	1	0	13	10	1.5	.0	2.5	2	0	50
FEB. 19...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--
APR. 15...	--	--	--	--	--	--	--	--	--	--
MAY 28...	--	--	--	--	--	--	--	--	--	--
JUNE 23...	--	--	--	--	--	--	--	--	--	--
JULY 23...	0	0	5	3	4.6	.8	3.8	2	0	80
AUG. 19...	--	--	--	--	--	--	--	--	--	--
SEP. 15...	--	--	--	--	--	--	--	--	--	--

06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.

LOCATION.--Lat 40°40'30", long 99°00'24", in SW¼NW¼SW¼ sec.10, T.8 N., R.15 W., Buffalo County, on county road 0.2 mi (0.3 km) north of Interstate Highway I-80 (no access) and about 4.5 mi (7.2 km) southeast of Kearney.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 30...	0930	155	26	50	20	66	20	76	11	230	0
NOV. 26...	0900	73	--	--	--	--	--	--	--	--	--
DEC. 24...	0900	6.0	--	--	--	--	--	--	--	--	--
JAN. 21...	1000	10	25	50	210	83	22	100	14	269	0
FEB. 19...	1100	4.5	--	--	--	--	--	--	--	--	--
MAR. 13...	0945	10	--	--	--	--	--	--	--	--	--
APR. 15...	1100	109	28	10	20	82	26	76	12	255	0
MAY 28...	1300	250	--	--	--	--	--	--	--	--	--
JUNE 23...	1400	378	--	--	--	--	--	--	--	--	--
JULY 23...	1300	315	25	50	10	66	23	75	16	213	0
AUG. 19...	1215	178	--	--	--	--	--	--	--	--	--
SEP. 15...	1200	62	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT. 30...	189	190	24	.5	.57	.47	.07	.48	.55	1.1
NOV. 26...	--	--	26	--	.64	.83	.12	.31	.43	1.1
DEC. 24...	--	--	89	--	3.0	3.0	2.5	.90	3.4	6.4
JAN. 21...	221	230	56	.6	1.8	1.7	.06	.67	.73	2.5
FEB. 19...	--	--	73	--	2.7	1.7	2.4	4.2	6.6	9.3
MAR. 13...	--	--	88	--	1.8	1.8	2.5	.70	3.2	5.0
APR. 15...	209	220	33	.6	1.1	1.1	.33	.59	.92	2.0
MAY 28...	--	--	32	--	.26	.25	.07	1.2	1.3	1.6
JUNE 23...	--	--	20	--	.55	.54	.22	3.0	3.2	3.8
JULY 23...	175	200	30	.6	.14	--	.08	.04	.12	.26
AUG. 19...	--	--	27	--	.45	--	.00	.96	.96	1.4
SEP. 15...	--	--	34	--	1.1	--	.20	1.0	1.2	2.3

06770205 PLATTE RIVER (NORTH CHANNEL) NEAR KEARNEY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 30...	.32	.13	--	529	.72	221	250	61	2.1	796
NOV. 26...	.33	.33	503	--	.68	99.1	--	--	--	831
DEC. 24...	2.6	2.5	774	--	1.05	12.5	--	--	--	1050
JAN. 21...	1.4	1.4	--	671	.91	18.1	300	79	2.5	1640
FEB. 19...	1.4	1.4	745	--	1.01	9.05	--	--	--	1150
MAR. 13...	2.0	2.0	781	--	1.06	21.1	--	--	--	1210
APR. 15...	.34	.30	--	608	.83	179	310	100	1.9	929
MAY 28...	.28	.14	629	--	.86	425	--	--	--	932
JUNE 23...	.72	.63	391	--	.53	399	--	--	--	586
JULY 23...	.48	.18	--	541	.74	460	260	85	2.0	826
AUG. 19...	.60	.23	608	--	.83	292	--	--	--	810
SEP. 15...	.74	.65	608	--	.83	102	--	--	--	860

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 30...	7.8	14.0	30	--	--	5.2	--	--	--	80
NOV. 26...	7.8	3.0	--	5	11.3	6.1	1000	250	--	--
DEC. 24...	7.8	3.0	--	7	9.6	5.0	--	560	--	--
JAN. 21...	7.6	5.0	5	--	--	2.5	--	--	2	200
FEB. 19...	7.5	4.0	--	8	10.2	6.6	20000	2200	--	--
MAR. 13...	7.5	1.0	--	10	10.6	6.9	<12	207	--	--
APR. 15...	8.1	9.0	4	10	11.7	3.5	550	--	--	140
MAY 28...	7.8	18.0	--	35	9.2	2.2	3100	4000	--	--
JUNE 23...	7.4	23.0	--	140	6.8	24	24000	5700	--	--
JULY 23...	8.0	27.0	15	35	8.2	9.2	>60000	9200	8	130
AUG. 19...	7.5	27.0	--	30	8.3	39	17000	450	--	--
SEP. 15...	7.8	16.0	--	25	10.2	--	134000	1050	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 30...	--	--	--	--	--	--	--	--	--	--
NOV. 26...	--	--	--	--	--	--	--	--	--	--
DEC. 24...	--	--	--	--	--	--	--	--	--	--
JAN. 21...	0	0	10	14	1.5	--	--	1	6	60
FEB. 19...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--
APR. 15...	--	--	--	--	--	--	--	--	--	--
MAY 28...	--	--	--	--	--	--	--	--	--	--
JUNE 23...	--	--	--	--	--	--	--	--	--	--
JULY 23...	1	10	5	2	4.5	.7	3.8	1	0	90
AUG. 19...	--	--	--	--	--	--	--	--	--	--
SEP. 15...	--	--	--	--	--	--	--	--	--	--

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°52'28", long 98°16'54", in SW¼SW¼ sec.31, T.11 N., R.8 W., Merrick County, at gaging station at bridge on U.S. Highway 34, 2 mi (3.2 km) upstream from Burlington Northern Inc. bridge and 5 mi (8.0 km) southeast of Grand Island.

DRAINAGE AREA.--62,800 mi^2 (163,000 km^2), approximately, of which about 54,000 mi^2 (140,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1975.
Water temperatures: July 1972 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 997 micromhos Jan. 9, 12; minimum daily, 627 micromhos July 23.
Water temperatures: Maximum, 27.0°C Sept. 2; minimum, freezing point on many days during November to March.

Period of record:
Specific conductance: Maximum daily, 1,840 micromhos April 12, 1973; minimum daily, 627 micromhos July 23, 1975.
Water temperatures: Maximum, 34.5°C July 23, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED ALUMINUM (AL) (UG/L) (01106)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 11...	0920	867	17	--	20	0	66	24	78	12	219
NOV. 14...	1145	762	21	--	10	0	64	21	77	8.0	228
DEC. 31...	1040	1030	23	--	10	10	74	22	81	12	238
JAN. 07...	1050	1130	26	10	0	10	81	25	82	10	241
FEB. 11...	1040	1130	28	--	10	0	83	26	86	13	259
MAR. 05...	1045	1610	26	--	20	0	76	24	78	11	233
APR. 16...	0950	1520	25	20	10	0	85	27	79	11	231
MAY 07...	0945	1270	12	20	40	230	70	26	84	9.9	190
JUNE 05...	1000	679	12	20	20	0	72	27	87	15	201
JULY 16...	0930	486	25	10	20	0	66	24	82	15	199
AUG. 19...	0940	196	25	10	10	0	72	24	87	14	223
SEP. 11...	0930	950	21	0	10	0	62	24	91	12	209

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 11...	0	180	210	25	.5	.07	.06	.14	1.5	1.6	1.7
NOV. 14...	0	187	190	25	.5	.33	.37	.07	.36	.43	.76
DEC. 31...	0	195	230	27	.5	.66	.65	.04	.42	.46	1.1
JAN. 07...	0	198	240	28	.5	.66	.64	.03	.57	.60	1.3
FEB. 11...	0	212	240	31	.5	.85	.86	.07	.48	.55	1.4
MAR. 05...	0	191	210	27	.5	.83	.74	.09	.71	.80	1.6
APR. 16...	0	189	240	30	.4	.81	.82	.03	.53	.56	1.4
MAY 07...	0	156	200	32	.5	.02	.02	.00	1.2	1.2	1.2
JUNE 05...	0	165	200	34	.5	.01	.01	.00	1.3	1.3	1.3
JULY 16...	0	163	240	31	.5	.04	--	.00	1.3	1.3	1.3
AUG. 19...	0	183	230	30	.5	.01	--	.00	.79	.79	.80
SEP. 11...	0	171	230	30	.5	.03	--	.00	2.4	2.4	2.4

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DIS-SOLVED-PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM AD-SORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)
OCT.										
11...	.17	.07	541	.74	1270	260	80	2.1	826	8.2
NOV.										
14...	.16	.08	521	.71	369	250	63	2.1	828	8.0
DEC.										
31...	.10	.05	590	.80	1640	280	85	2.1	894	7.4
JAN.										
07...	.12	.06	614	.84	1860	310	110	2.0	921	7.7
FEB.										
11...	.06	.07	639	.87	1950	310	98	2.1	981	7.2
MAR.										
05...	.11	.08	571	.78	2480	290	97	2.0	891	7.4
APR.										
16...	.14	.07	615	.84	2520	320	130	1.9	920	8.2
MAY										
07...	.10	.01	589	.80	2020	280	130	2.2	911	8.5
JUNE										
05...	.17	.02	627	.85	1150	290	130	2.2	935	8.4
JULY										
16...	.22	.03	582	.79	764	260	100	2.2	832	8.3
AUG.										
19...	.16	.05	593	.81	311	280	96	2.3	819	8.3
SEP.										
11...	.24	.04	574	.78	1470	250	82	2.5	773	8.4

DATE	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED CADMIUM (CD) (UG/L) (01025)
OCT.										
11...	15.5	5	25	8.4	7.5	250	276	--	150	--
NOV.										
14...	2.5	4	20	12.3	4.6	500	24	--	150	--
DEC.										
31...	.5	5	4	12.3	9.6	>3	16	--	130	--
JAN.										
07...	.5	5	6	13.0	4.2	5	10	0	130	0
FEB.										
11...	.5	10	5	12.2	2.7	27	12	--	100	--
MAR.										
05...	.5	8	10	13.3	1.4	7	39	--	130	--
APR.										
16...	10.0	3	15	11.3	7.0	--	660	--	130	--
MAY										
07...	14.5	15	35	10.8	11	100	120	--	160	--
JUNE										
05...	22.0	2	40	9.7	--	140	560	--	150	--
JULY										
16...	23.5	8	30	8.9	31	97	140	5	140	1
AUG.										
19...	24.0	15	15	9.3	12	120	170	--	150	--
SEP.										
11...	17.5	4	50	9.1	--	880	1100	--	160	--

DATE	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED VANADIUM (V) (UG/L) (01085)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
11...	--	--	--	--	--	--	--	--	--	--
NOV.										
14...	--	--	--	--	--	--	--	--	--	--
DEC.										
31...	--	--	--	--	--	--	--	--	--	--
JAN.										
07...	0	1	3	.3	.3	.0	3	0	2.0	10
FEB.										
11...	--	--	--	--	--	--	--	--	--	--
MAR.										
05...	--	--	--	--	--	--	--	--	--	--
APR.										
16...	--	--	--	--	--	--	--	--	5.1	--
MAY										
07...	--	--	--	--	--	--	--	--	5.0	--
JUNE										
05...	--	--	--	--	--	--	--	--	5.6	--
JULY										
16...	0	4	1	.0	.0	.0	1	0	5.3	30
AUG.										
19...	--	--	--	--	--	--	--	--	5.9	--
SEP.										
11...	--	--	--	--	--	--	--	--	9.5	--

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	828	760	894	864	905	792	913	916	926	898	903	934
2	831	788	840	873	908	794	870	914	921	902	884	931
3	831	782	789	878	956	870	945	897	788	900	836	939
4	824	787	762	873	950	868	911	895	898	891	836	934
5	827	803	789	880	956	843	917	899	937	896	864	848
6	819	806	890	862	953	848	917	899	942	888	877	871
7	812	806	808	862	956	847	914	922	959	881	859	904
8	806	807	832	994	956	864	884	927	865	895	855	928
9	812	808	840	997	956	899	896	929	813	905	855	906
10	824	801	832	864	917	890	909	926	809	895	857	897
11	812	801	781	868	953	893	916	921	813	883	857	867
12	802	806	789	997	917	893	914	924	845	876	884	889
13	800	809	869	868	915	881	917	929	889	867	886	880
14	802	812	871	873	914	879	887	900	916	876	877	889
15	810	815	882	876	922	881	885	902	939	883	859	882
16	808	815	874	873	917	850	902	922	945	886	875	873
17	807	811	868	880	872	845	912	934	940	900	894	876
18	810	810	871	866	872	841	906	969	695	910	901	871
19	808	806	862	871	872	837	873	957	823	902	906	869
20	817	808	865	808	872	837	899	942	789	864	891	873
21	818	811	862	810	872	901	904	986	793	868	894	869
22	819	809	858	806	870	891	906	955	729	696	894	869
23	811	809	885	807	872	899	866	942	656	627	910	867
24	807	810	910	809	866	963	871	952	675	795	913	873
25	806	816	910	805	817	896	859	947	761	857	926	868
26	808	808	905	811	822	925	889	963	729	875	926	862
27	804	826	880	904	816	899	875	969	846	894	918	862
28	800	817	885	907	818	890	878	856	883	889	933	847
29	753	828	885	907	---	907	882	919	890	894	931	847
30	742	861	869	911	---	919	899	883	900	894	928	832
31	743	---	873	909	---	908	---	916	---	908	916	---
MONTH	806	808	856	875	900	876	897	926	844	871	889	882

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	7.5	0.0	0.0	0.0	0.0	3.0	10.0	13.5	23.5	22.0	19.5
2	6.5	7.5	0.0	0.0	0.0	0.5	4.0	11.0	14.0	24.0	19.5	27.0
3	7.5	5.5	0.0	0.0	0.0	0.0	5.0	11.0	15.0	23.0	20.0	22.0
4	12.0	6.0	0.0	0.0	0.0	0.0	6.0	13.0	18.5	23.0	19.5	22.0
5	11.0	5.5	0.0	0.0	0.0	0.0	7.0	16.0	19.0	24.0	22.0	17.0
6	8.0	3.0	0.0	0.0	0.0	0.0	8.0	18.0	19.5	25.0	22.0	15.5
7	6.0	4.0	0.0	0.0	0.0	0.0	9.0	20.0	19.5	23.5	19.0	17.0
8	7.0	4.0	0.0	0.0	0.0	0.0	7.0	17.0	19.5	24.0	21.0	15.0
9	9.0	5.0	0.0	0.0	0.0	0.0	8.0	15.0	18.5	22.5	22.0	17.5
10	11.5	4.5	0.0	0.0	0.0	0.0	7.0	16.5	17.0	22.0	23.0	20.0
11	14.5	5.0	0.0	0.0	0.0	0.0	7.0	15.0	18.0	20.5	22.5	21.0
12	10.0	4.5	0.0	0.0	0.0	0.0	6.0	13.5	17.0	18.0	21.5	12.0
13	9.0	4.0	0.0	0.0	0.0	0.0	9.0	15.0	17.5	18.0	21.0	14.0
14	8.0	2.0	0.0	0.0	0.0	0.0	7.0	14.0	17.5	18.0	21.0	14.5
15	5.5	0.0	0.0	0.0	0.0	0.0	8.0	14.0	18.5	18.5	22.0	14.5
16	7.0	1.5	0.0	0.0	0.0	1.0	9.0	15.0	18.5	20.5	21.5	15.0
17	9.0	2.0	0.0	0.0	0.0	1.0	12.0	15.0	19.0	20.0	22.0	15.5
18	10.0	2.5	0.0	0.0	0.0	0.0	9.0	16.5	19.5	18.5	21.5	15.0
19	8.0	2.0	0.0	0.0	0.0	0.5	5.0	17.0	20.5	22.0	22.0	15.0
20	8.5	1.5	0.0	0.0	0.0	1.0	8.0	18.0	20.0	22.0	21.5	13.0
21	8.0	1.5	0.0	0.0	0.0	1.0	8.0	18.5	20.5	22.0	21.5	12.5
22	12.0	1.0	0.0	0.0	0.0	0.5	11.0	19.0	20.0	22.0	22.5	13.0
23	10.0	1.0	0.0	0.0	0.0	0.5	10.0	17.5	21.5	21.5	22.0	14.5
24	12.0	0.0	0.0	0.0	0.0	0.0	14.0	17.0	22.5	22.0	22.0	12.5
25	12.0	0.0	0.0	0.0	0.0	0.0	14.0	19.0	23.0	21.5	19.0	12.5
26	9.5	1.0	0.0	2.0	0.0	0.0	16.0	15.0	23.5	21.0	16.0	13.0
27	10.0	0.0	0.0	0.0	0.0	0.5	18.0	16.5	23.5	22.5	21.0	14.0
28	12.0	0.0	0.0	0.0	0.0	1.0	12.0	17.0	23.5	23.5	21.0	14.0
29	12.0	0.0	0.0	0.0	---	0.5	10.0	18.0	23.0	23.5	19.5	13.0
30	10.5	1.5	0.0	0.0	---	1.0	10.0	18.0	23.0	22.0	19.5	15.0
31	10.0	---	0.0	0.0	---	2.0	---	19.0	---	22.5	20.5	---
MONTH	9.5	3.0	0.0	0.0	0.0	0.5	9.0	16.0	19.5	22.0	21.0	16.0

06771000 WOOD RIVER NEAR RIVERDALE, NEBR.

LOCATION.--Lat 40°47'56", long 99°11'48", in NW¼NW¼ sec.31, T.10 N., R.16 W., Buffalo County, at gaging station at bridge on State Highway 40, 1.5 mi (2.4 km) northwest of Riverdale.

DRAINAGE AREA.--379 mi^2 (982 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1975.
Sediment records: April 1947 to January 1952.

EXTREMES.--Period of record:
Sediment concentrations: Maximum daily, not determined; minimum daily, not determined.
Sediment discharge: Maximum daily, 356,000 tons June 22, 1947; minimum daily, less than 0.050 ton Oct. 15, 1951.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)
OCT.									
30...	1100	.10	.12	.03	.15	.28	399	--	12.0
APR.									
14...	1515	.60	.01	.01	.02	.04	568	7.6	12.5
JUNE									
19...	1330	6.0	.95	.03	.98	.28	283	--	20.0
AUG.									
04...	1230	4.3	--	--	--	--	220	--	--
SEP.									
02...	1200	3.0	--	--	--	--	597	--	--

06771500 WOOD RIVER NEAR GIBBON, NEBR.

LOCATION.--Lat 40°46'17", long 98°47'51", in NW¼NW¼ sec.9, T.9 N., R.13 W., Buffalo County, at gaging station at bridge on county highway and 2.5 mi (4.0 km) northeast of Gibbon.

DRAINAGE AREA.--572 mi^2 (1,481 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATF	TIME	INSTANTANEOUS DIS-CHARGE (CFS) (00061)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	TEMPERATURE (DEG C) (00010)
OCT. 30...	0850	2.5	2.5	.12	2.6	.14	2450	12.0
NOV. 26...	0815	.70	3.5	.04	3.5	3.6	2560	.0
DEC. 24...	0815	.20	.11	.13	.24	30	2990	.0
JAN. 21...	0915	.11	.02	.02	.04	42	2780	.0
FEB. 19...	1000	.30	.01	.01	.02	40	2990	.0
APR. 15...	1015	1.2	.02	.06	.08	30	2140	8.0
MAY 28...	1225	.68	.46	.24	.70	6.2	2110	17.0
AUG. 04...	1510	16	--	--	--	--	982	--
SEP. 02...	1440	5.0	--	--	--	--	246	--

06772000 WOOD RIVER NEAR ALDA, NEBR.

LOCATION.--Lat 40°51'10", long 98°28'20", in NE¼SE¼ sec.7, T.10 N., R.10 W., Hall County, on right bank 1.2 mi (1.9 km) south of Alda, 2.2 mi (3.5 km) upstream from old north channel of the Platte River, and 19 mi (31 km) upstream from present mouth.

DRAINAGE AREA.--628 mi^2 (1,627 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
JUNE											
03...	1145	74	--	--	--	--	35	0	29	--	--
24...	1245	397	--	--	--	--	70	0	57	--	--
JULY											
16...	1145	13	93	22	74	23	303	5	258	170	71
AUG.											
04...	0815	24	100	20	55	22	279	15	254	180	49

DATE	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)
JUNE										
03...	1.5	.15	1.6	1.9	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
JULY										
16...	--	--	3.8	.22	4.2	4.4	8.2	.82	.24	635
AUG.										
04...	--	--	3.8	.07	2.6	2.7	6.5	1.2	.97	654

DATE	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESIDUE (MG/L) (00500)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	FECAL COLIFORM (COL. PER 100 ML) (31616)
JUNE										
03...	--	--	--	63	6.5	15.0	900	8.7	--	96000
24...	--	--	--	128	6.8	24.5	980	5.2	--	8500
JULY										
16...	.86	22.3	795	879	8.6	27.0	80	17.6	76	3500
AUG.										
04...	.89	42.4	777	888	8.0	22.0	35	8.0	38	66000

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MANGANESE (MN) (UG/L) (01055)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	DISSOLVED SULFATE (SO4) (MG/L) (00945)
JUNE								
03...	1145	45000	465	18	9.0	<5.0	13	37
24...	1245	47800	446	23	9.0	<5.0	16	150

DATE	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	TOTAL NITRATE (N) (MG/L) (00620)	TOTAL NITRITE (N) (MG/L) (00615)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)
JUNE									
03...	<1.0	1.0	.15	1.2	.74	5.7	6.4	7.6	2.8
24...	<1.0	--	--	.50	.38	.84	1.2	1.7	1.5

DATE	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	TOTAL NONFILTRABLE RESIDUE (MG/L) (00530)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CADMIUM (CD) (UG/L) (01027)	TOTAL CHROMIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	TOTAL LEAD (PB) (UG/L) (01051)
JUNE								
03...	150	1510	156	--	3	47	57	50
24...	194	1750	115	55	<1	38	53	46

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°56'05", long 98°16'56", in SW¼NW¼SW¼ sec.7, T.11 N., R.8 W., Merrick County, at bridge on county road, 1.0 mi (1.6 km) south of U.S. Highway 30, 3.0 mi (4.8 km) east of Grand Island.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1975.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	TOTAL CALCIUM (CA) (MG/L) (00916)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	TOTAL SODIUM (NA) (MG/L) (00929)	DISSOLVED SODIUM (NA) (MG/L) (00930)	TOTAL POTASSIUM (K) (MG/L) (00937)
OCT.												
11...	1100	4.7	--	--	--	--	--	--	--	--	--	--
30...	1045	39	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	1320	21	32	20	30	--	73	--	13	--	100	--
26...	1140	15	--	--	--	--	--	--	--	--	--	--
DEC.												
10...	1100	17	--	--	--	--	--	--	--	--	--	--
24...	1000	11	--	--	--	--	--	--	--	--	--	--
JAN.												
21...	1150	17	--	--	--	--	--	--	--	--	--	--
FEB.												
04...	0930	4.2	33	90	100	--	76	--	19	--	160	--
19...	1110	1.7	--	--	--	--	--	--	--	--	--	--
MAR.												
05...	1225	8.1	--	--	--	--	--	--	--	--	--	--
11...	1205	8.3	--	--	--	--	--	--	--	--	--	--
APR.												
04...	0925	15	--	--	--	--	--	--	--	--	--	--
16...	1120	24	--	--	--	--	--	--	--	--	--	--
23...	0950	16	--	--	--	--	--	--	--	--	--	--
MAY												
14...	0930	4.0	31	90	170	--	76	--	14	--	180	--
28...	1030	12	--	--	--	--	--	--	--	--	--	--
JUNE												
03...	1405	9.6	--	--	--	--	--	--	--	--	--	--
24...	1020	306	--	--	--	--	--	--	--	--	--	--
JULY												
30...	1320	62	--	--	--	46	--	14	--	49	--	14
AUG.												
04...	0950	46	26	30	0	--	89	17	19	--	56	15
SEP.												
16...	0850	2.9	--	--	--	42	--	13	--	170	--	21

DATE	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT.												
11...	--	300	0	246	--	200	--	.44	.33	19	.00	19
30...	--	89	0	73	--	--	--	--	--	--	--	--
NOV.												
14...	11	239	0	196	130	100	.4	2.8	2.6	9.1	.80	9.9
26...	--	307	0	252	--	--	--	--	--	--	--	--
DEC.												
10...	--	254	0	208	--	88	--	3.8	3.4	9.2	2.8	12
24...	--	268	0	220	--	--	--	--	--	--	--	--
JAN.												
21...	--	280	0	230	--	110	--	4.0	2.7	7.7	3.3	11
FEB.												
04...	26	313	0	257	180	190	.4	.46	.95	21	6.0	27
19...	--	340	0	279	--	--	--	--	--	--	--	--
MAR.												
05...	--	--	--	--	--	250	--	.23	.08	29	8.0	37
11...	--	326	0	267	--	--	--	--	--	--	--	--
APR.												
04...	--	268	0	220	--	90	--	2.0	1.9	6.3	.80	7.1
16...	--	256	0	210	--	--	--	--	--	--	--	--
23...	--	256	0	210	--	--	--	--	--	--	--	--
MAY												
14...	20	190	0	156	160	200	.5	2.8	2.7	8.3	.60	8.9
28...	--	158	0	130	--	--	--	--	--	--	--	--
JUNE												
03...	--	247	0	203	--	160	--	3.7	3.7	7.6	3.4	11
24...	--	98	0	80	--	--	--	--	--	--	--	--
JULY												
30...	--	220	0	180	130	39	--	3.2	--	2.2	1.6	3.8
AUG.												
04...	15	274	0	225	160	34	.5	2.7	--	1.5	1.7	3.2
SEP.												
16...	--	316	0	259	170	190	--	.51	--	20	1.0	21

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI- DUE (MG/L) (00500)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
OCT.												
11...	19	3.5	2.9	853	--	1.16	10.8	--	--	--	--	1500
30...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
14...	13	1.4	1.1	--	589	.80	33.4	--	240	40	2.8	1030
26...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
10...	16	4.2	3.9	639	--	.87	29.3	--	--	--	--	1050
24...	--	--	--	--	--	--	--	--	--	--	--	988
JAN.												
21...	15	2.8	2.2	614	--	.84	28.2	--	--	--	--	915
FEB.												
04...	27	22	21	--	843	1.15	9.56	--	270	13	4.3	1380
19...	--	--	--	--	--	--	--	--	--	--	--	1260
MAR.												
05...	37	19	16	983	--	1.34	21.5	--	--	--	--	1780
11...	--	--	--	--	--	--	--	--	--	--	--	1390
APR.												
04...	9.1	1.2	1.3	545	--	.74	22.1	--	--	--	--	925
16...	--	--	--	--	--	--	--	--	--	--	--	943
23...	--	--	--	--	--	--	--	--	--	--	--	780
MAY												
14...	12	7.2	7.1	--	788	1.07	8.51	--	250	92	5.0	1450
28...	--	--	--	--	--	--	--	--	--	--	--	583
JUNE												
03...	15	3.4	3.2	732	--	1.00	19.0	--	--	--	--	1230
24...	--	--	--	--	--	--	--	--	--	--	--	224
JULY												
30...	7.0	1.4	1.0	457	--	.62	76.5	608	--	--	--	673
AUG.												
04...	5.9	1.3	1.1	535	535	.73	66.4	704	300	75	1.4	796
SEP.												
16...	22	5.2	5.1	795	--	1.08	6.22	832	--	--	--	1300

DATE	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (JTU) (00070)	TUR- BID- ITY (NTU) (00076)	DIS- SOLVED OXYGEN (MG/L) (00300)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)
OCT.											
11...	7.6	20.0	--	7	--	7.9	--	23	9200	6600	--
30...	7.2	14.5	--	50	--	5.6	--	--	120000	52000	--
NOV.											
14...	7.6	18.0	5	--	--	6.8	--	13	85000	1400	--
26...	7.4	14.0	--	10	--	6.4	--	--	42000	2800	--
DEC.											
10...	7.4	16.0	--	10	--	5.5	--	20	320000	21000	--
24...	7.5	8.0	--	4	--	6.8	--	12	128000	4600	--
JAN.											
21...	7.5	13.0	--	10	--	7.9	--	8.8	180000	5600	--
FEB.											
04...	7.3	7.5	30	--	--	--	--	26	--	--	6
19...	7.5	8.0	--	40	--	8.7	--	--	340000	14000	--
MAR.											
05...	6.9	12.0	--	--	20	7.5	--	34	2000000	110000	--
11...	7.7	9.0	--	--	6	10.5	--	--	130000	3400	--
APR.											
04...	7.7	15.0	--	--	6	8.8	--	--	23000	420	--
16...	7.5	20.5	--	--	8	10.5	--	--	--	--	--
23...	7.5	19.0	--	--	8	7.6	--	--	13000	--	--
MAY											
14...	7.6	19.0	10	--	3	13.4	--	6.1	8700	5100	--
28...	7.2	18.0	--	--	12	6.2	--	--	66000	--	--
JUNE											
03...	7.4	26.0	--	--	8	7.1	--	40	39000	4800	--
24...	7.0	23.0	--	--	750	4.8	--	--	29000	--	--
JULY											
30...	7.4	28.0	--	--	70	6.5	33	23	35000	1900	--
AUG.											
04...	7.6	24.0	15	--	30	6.7	39	12	22000	1100	--
SEP.											
16...	7.5	17.5	--	--	3	7.8	34	--	4000	300	--

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.											
11...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
14...	220	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
10...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
21...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
04...	370	0	10	8	4	.1	.0	.1	2	0	30
19...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
05...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
APR.											
04...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--
MAY											
14...	370	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
03...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
JULY											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
04...	100	--	--	--	--	--	--	--	4	1	--
SEP.											
16...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
OCT.										
11...	1050	830	81	66	16	181	20	902	8	44
30...	1045	4070	110	25	4.5	31	7.5	202	172	89
NOV.										
14...	1310	600	60	95	15	88	13	566	58	21
DEC.										
10...	1110	710	43	81	17	102	11	654	8	32
24...	1000	360	29	76	17	90	9.9	622	10	23
JAN.										
21...	1140	980	41	77	18	96	9.7	644	41	38
FEB.										
04...	0940	10	97	74	19	152	20	832	33	97
19...	1110	16	87	74	14	155	20	782	64	54
MAR.										
11...	1205	660	82	74	14	170	18	866	7	91
APR.										
04...	0925	750	45	78	15	77	12	554	29	32
16...	1120	290	39	78	16	88	31	584	8	18
23...	0950	750	86	74	16	80	30	558	11	20
MAY										
14...	0930	240	135	69	15	176	46	858	24	31
28...	1030	580	50	41	9.0	72	27	408	16	21
JUNE										
03...	1345	500	90	61	11	154	17	790	19	41
24...	1020	32500	250	30	10	10	17	274	1120	98

06772200 WOOD RIVER NEAR GRAND ISLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)	TOTAL ZINC (ZN) (UG/L) (01092)
OCT.										
11...	--	--	5	9	23	--	<50	<.1	<20	71
30...	--	--	<5	10	54	--	210	.6	<20	143
NOV.										
14...	--	--	<5	6	35	--	<50	.3	<20	75
DEC.										
10...	5.4	<5	--	8	--	43	50	.4	--	189
24...	6.3	<5	--	12	35	--	<5	<.1	--	98
JAN.										
21...	--	<5	--	13	62	--	15	.8	--	131
FEB.										
04...	--	<5	0	5	51	8	10	.1	--	65
19...	--	<5	--	6	32	--	16	--	--	51
MAR.										
11...	--	1	--	<5	22	--	10	--	--	133
APR.										
04...	13	<0	--	<5	14	--	10	--	--	125
16...	--	<1	--	<5	20	--	5	--	--	67
23...	--	<1	--	10	24	--	13	--	--	74
MAY										
14...	--	<1	--	<5	21	--	<5	--	--	85
28...	--	<1	--	<5	15	--	11	--	--	103
JUNE										
03...	--	<1	--	<5	12	--	12	--	--	39
24...	48	<1	--	40	43	--	38	--	--	75

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.

LOCATION.--Lat 40°57'56", long 98°12'22", in NE¼SE¼ sec.34, T.12 N., R.8 W., Merrick County, at county road bridge 2.5 mi (4.0 km) west and 4.0 mi (6.4 km) south of center of Chapman.

DRAINAGE AREA.--700 mi^2 (1,810 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 01...	0910	2.0	31	90	70	73	16	120	19	291	0
NOV. 06...	0900	4.0	--	--	--	--	--	--	--	--	--
DEC. 03...	1010	7.4	--	--	--	--	--	--	--	--	--
JAN. 14...	1220	8.9	28	70	50	85	22	100	14	261	0
FEB. 04...	0930	4.2	--	--	--	--	--	--	--	300	0
11...	1240	11	--	--	--	--	--	--	--	--	--
MAR. 11...	1020	6.6	29	90	450	72	16	140	17	207	0
APR. 04...	1125	14	26	40	210	76	15	91	16	260	0
MAY 14...	0840	7.3	29	150	390	80	16	160	21	205	0
JUNE 24...	0830	157	17	60	10	27	5.3	15	15	93	0
JULY 30...	1120	38	25	100	10	62	13	50	15	172	0
AUG. 27...	0900	12	29	40	10	94	18	100	17	266	0
SEP. 11...	1110	2.6	29	30	30	82	17	170	7.8	226	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)
OCT. 01...	239	150	110	.6	6.3	.65	18	2.0	20	26	4.0
NOV. 06...	--	--	150	--	1.3	1.1	19	.00	19	20	3.5
DEC. 03...	--	--	71	--	3.7	3.3	8.0	.30	8.3	12	3.3
JAN. 14...	214	170	92	.5	8.7	1.6	.03	.49	.52	9.2	3.8
FEB. 04...	246	--	--	--	--	--	--	--	--	--	--
11...	--	--	110	--	1.2	1.2	7.8	1.8	9.6	11	2.6
MAR. 11...	170	140	160	.5	1.7	.31	18	.00	18	20	3.6
APR. 04...	213	120	100	.5	2.0	1.9	8.0	.30	8.3	10	1.9
MAY 14...	168	160	190	.5	2.5	2.3	7.1	.00	7.1	9.6	7.0
JUNE 24...	76	30	16	.3	2.1	--	.19	3.8	4.0	6.1	1.2
JULY 30...	141	120	40	.5	3.6	--	.64	2.0	2.6	6.2	1.7
AUG. 27...	218	150	100	.4	4.3	--	4.7	.30	5.0	9.3	4.7
SEP. 11...	185	150	200	.5	2.7	--	.03	14	14	17	4.8

06772500 WOOD RIVER NEAR CHAPMAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA+MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
OCT. 01...	3.7	--	667	.91	3.60	250	11	3.3	1180	7.7	6.0
NOV. 06...	2.5	865	--	1.18	9.34	--	--	--	1500	7.8	2.5
DEC. 03...	3.0	573	--	.78	11.4	--	--	--	949	7.9	4.0
JAN. 14...	3.8	--	648	.88	15.6	300	86	2.5	1050	7.5	6.0
FEB. 04...	--	--	--	--	--	--	--	--	1380	7.3	7.5
11...	2.1	701	--	.95	20.8	--	--	--	1170	7.6	7.0
MAR. 11...	3.2	--	679	.92	12.1	250	76	3.9	1060	7.7	2.0
APR. 04...	2.0	--	582	.79	22.0	250	38	2.5	995	7.6	12.5
MAY 14...	6.6	--	769	1.05	15.2	270	98	4.3	1370	7.6	14.0
JUNE 24...	1.3	--	172	.23	72.9	89	13	.7	289	7.1	22.5
JULY 30...	1.3	--	411	.56	42.2	210	67	1.5	640	7.6	27.0
AUG. 27...	4.3	--	640	.87	20.7	310	91	2.5	1060	7.9	22.0
SEP. 11...	4.8	--	768	1.04	5.39	270	89	4.5	1350	7.9	14.5

DATE	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	CYANIDE (CN) (MG/L) (00720)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)
OCT. 01...	20	8	9.1	16	22000	10000	--	--	--	640	--
NOV. 06...	--	10	10.1	21	120000	1400	--	--	--	--	--
DEC. 03...	--	5	9.9	14	44000	1000	--	--	--	--	--
JAN. 14...	5	6	10.4	12	49300	4900	.00	4	500	210	0
FEB. 04...	--	2	6.1	--	2700000	12000	--	--	--	--	--
11...	--	20	8.9	14	63000	4600	--	--	--	--	--
MAR. 11...	20	10	10.2	16	190000	31000	--	--	--	370	--
APR. 04...	10	15	9.5	--	4800	180	--	--	--	200	--
MAY 14...	8	6	8.9	7.6	14000	2000	--	--	--	300	--
JUNE 24...	280	620	5.0	36	15000	19000	--	--	--	100	--
JULY 30...	25	95	6.4	24	23000	1500	.02	5	0	100	1
AUG. 27...	10	15	7.6	30	19000	1200	--	--	--	220	--
SEP. 11...	14	4	8.8	--	26000	1400	--	--	--	310	--

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 01...	--	--	--	--	--	--	--	--	--	--
NOV. 06...	--	--	--	--	--	--	--	--	--	--
DEC. 03...	--	--	--	--	--	--	--	--	--	--
JAN. 14...	0	0	4	11	.0	.0	.0	2	0	20
FEB. 04...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
MAR. 11...	--	--	--	--	--	--	--	--	--	--
APR. 04...	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--
JUNE 24...	--	--	--	--	--	--	--	--	--	--
JULY 30...	0	0	4	0	.1	.1	.0	2	1	20
AUG. 27...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	--	--	--	--	--	--	--	--	--	--

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.

LOCATION.--Lat 41°22'04", long 97°29'40", in SE¼SW¼ sec.12, T.16 N., R.2 W., Platte County, at gaging station at highway bridge 1.5 mi (2.4 km) south of Duncan and 12 mi (19.3 km) upstream from Loup River.

DRAINAGE AREA.--64,900 mi^2 (168,000 km^2), approximately, of which about 56,100 mi^2 (145,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: December 1964 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 16...	1700	892	18	63	23	82	12	208	3
NOV. 07...	1200	918	20	63	19	77	11	221	0
DEC. 18...	0930	515	21	70	22	77	8.5	229	0
JAN. 08...	1230	1080	24	76	23	81	11	229	0
FEB. 20...	1350	954	24	75	23	77	11	237	0
MAR. 11...	1530	1450	23	75	26	77	10	231	0
APR. 22...	1500	1430	23	76	21	60	11	217	0
MAY 13...	1430	1040	15	60	20	60	13	181	0
JUNE 04...	1630	506	17	62	20	67	14	185	0
JULY 17...	1900	248	24	68	27	87	15	214	0
AUG. 28...	1315	3.0	24	69	21	74	12	210	0
SEP. 16...	0840	414	22	64	24	88	14	197	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 16...	176	220	26	.5	.47	.04	552	.75	1330
NOV. 07...	181	190	24	.5	.43	.19	516	.70	1280
DEC. 18...	188	210	28	.5	1.0	.09	554	.75	770
JAN. 08...	188	220	28	.5	.68	.07	580	.79	1690
FEB. 20...	194	220	27	.5	.74	.20	578	.79	1490
MAR. 11...	189	220	27	.5	.91	.05	577	.78	2260
APR. 22...	178	190	25	.5	.82	.10	517	.70	2000
MAY 13...	148	170	25	.4	.51	.08	455	.62	1280
JUNE 04...	152	200	25	.5	.20	.05	498	.68	680
JULY 17...	176	250	34	.6	.00	.04	611	.83	409
AUG. 28...	172	210	27	.5	.32	.10	543	.74	4.47
SEP. 16...	162	240	30	.6	.14	.02	581	.79	667

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT.								
16...	250	76	2.2	847	--	12.0	4	160
NOV.								
07...	240	54	2.2	809	--	6.5	5	140
DEC.								
18...	270	78	2.1	862	--	.0	3	130
JAN.								
08...	280	97	2.1	876	--	.0	3	130
FEB.								
20...	280	88	2.0	885	8.1	.5	8	120
MAR.								
11...	290	100	2.0	889	7.5	.0	5	130
APR.								
22...	280	98	1.6	784	6.8	17.0	3	120
MAY								
13...	230	84	1.7	626	7.1	18.0	10	130
JUNE								
04...	240	85	1.9	760	8.2	28.5	1	120
JULY								
17...	280	110	2.3	930	7.5	30.0	7	140
AUG.								
28...	260	87	2.0	831	8.0	27.5	4	120
SEP.								
16...	260	97	2.4	906	8.4	15.0	7	170

06775500 MIDDLE LOUP RIVER AT DUNNING, NEBR.

LOCATION.--Lat 41°49'50", long 100°06'00", in NW¼SE¼ sec.33, T.22 N., R.24 W., Blaine County, temperature recorder at gaging station at bridge on State Highway 2 at northeast corner of Dunning, 1 mi (1.6 km) upstream from Dismal River.

DRAINAGE AREA.--1,850 mi^2 (4,790 km^2), approximately, of which about 80 mi^2 (207 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1949 to September 1956, October 1965 to September 1975.
Sediment records: March 1950 to September 1952, October 1953 to September 1954.

EXTREMES.--1974-75:
Water temperatures: Maximum, 31.0°C July 5, 6; minimum, freezing point on many days during December to February.
Period of record:
Water temperatures: Maximum, 34.0°C June 21, 1956; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	8.5	10.0	8.0	0.0	0.0	1.5	1.0	0.5	0.5	6.5	4.0
2	12.0	7.0	9.5	8.0	0.0	0.0	1.0	1.0	3.5	0.5	5.5	3.5
3	16.5	9.0	9.0	7.0	0.5	0.0	1.0	1.0	3.0	1.5	4.0	1.0
4	16.0	12.0	8.5	5.5	3.5	0.0	1.0	1.0	2.0	0.5	6.5	1.0
5	13.0	10.5	8.0	5.0	4.5	1.0	3.0	1.0	0.0	0.0	10.0	4.5
6	12.0	8.0	8.5	5.0	5.0	3.0	3.5	1.0	0.0	0.0	8.0	3.0
7	13.5	7.0	10.5	8.0	3.0	0.0	5.0	3.0	0.0	0.0	4.5	1.0
8	15.0	9.0	9.0	8.0	0.0	0.0	3.5	1.0	0.0	0.0	3.5	1.0
9	15.5	10.0	8.0	7.0	2.0	0.0	2.0	1.0	0.0	0.0	1.0	1.0
10	18.5	12.0	9.0	6.0	3.5	0.5	0.5	0.5	0.0	0.0	2.0	1.5
11	15.5	13.0	7.0	4.5	3.5	0.5	0.5	0.5	0.0	0.0	2.0	1.5
12	13.0	10.0	5.0	3.0	3.5	1.0	0.5	0.5	0.0	0.0	4.5	1.5
13	16.0	10.5	5.0	1.5	3.5	1.0	0.5	0.5	0.0	0.0	6.0	1.5
14	12.0	8.0	4.0	1.0	2.0	0.0	0.5	0.5	0.0	0.0	10.0	2.0
15	11.5	6.0	5.5	1.0	1.5	0.5	0.5	0.5	0.0	0.0	7.0	5.0
16	14.5	8.0	7.0	3.5	1.5	0.5	0.5	0.5	0.0	0.0	10.0	5.0
17	15.5	10.0	8.0	3.5	1.0	0.5	0.5	0.5	0.0	0.0	8.5	6.0
18	15.0	10.0	6.0	4.0	3.5	1.0	0.5	0.5	0.0	0.0	11.5	5.5
19	15.0	10.0	6.5	4.5	4.0	1.0	0.5	0.5	0.0	0.0	14.5	6.5
20	14.0	10.0	6.0	3.0	3.5	1.0	0.5	0.5	0.0	0.0	15.5	9.0
21	16.0	10.0	7.0	3.0	3.5	0.5	0.5	0.5	0.5	0.0	13.5	9.0
22	14.5	11.0	8.0	4.0	4.0	1.5	2.0	0.5	0.5	0.5	9.0	6.0
23	14.5	10.5	8.0	1.5	1.5	0.5	4.0	1.5	0.5	0.5	8.5	2.0
24	16.0	11.5	4.5	1.0	0.5	0.5	5.5	3.5	5.0	0.5	2.0	2.0
25	14.5	11.0	4.0	1.0	1.0	1.0	3.5	1.0	4.0	0.5	3.5	2.0
26	12.0	10.0	4.5	2.0	1.0	1.0	3.5	3.0	5.0	0.5	1.5	0.5
27	14.5	11.5	3.5	0.5	1.0	1.0	3.0	0.5	5.0	1.0	1.5	0.5
28	13.5	11.0	3.0	0.5	3.0	1.0	0.5	0.5	5.5	2.0	1.0	0.5
29	14.5	12.0	0.0	0.0	2.0	1.0	0.5	0.5	---	---	1.0	0.5
30	13.0	12.0	0.0	0.0	2.0	1.0	0.5	0.5	---	---	1.5	0.5
31	12.0	10.0	---	---	1.5	1.0	0.5	0.5	---	---	4.0	0.5
MONTH	18.5	6.0	10.5	0.0	5.0	0.0	5.5	0.5	5.5	0.0	15.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.5	0.5	12.0	7.0	18.5	13.0	28.5	21.0	23.0	20.0	24.5	20.5
2	5.5	0.5	16.5	9.0	20.5	13.5	29.5	21.5	26.5	18.5	23.5	19.5
3	10.0	0.5	17.0	10.0	25.0	15.5	29.0	21.5	26.5	19.5	23.0	16.5
4	12.0	4.0	20.0	11.5	24.0	18.0	30.0	22.0	27.0	19.5	19.5	17.0
5	14.5	6.0	19.5	13.0	24.5	18.0	31.0	22.0	26.5	19.5	23.0	16.0
6	12.0	9.5	18.5	14.0	24.5	18.0	31.0	23.5	24.5	19.5	24.0	16.5
7	9.5	6.5	19.0	11.0	22.0	16.5	30.5	23.0	26.0	19.0	23.0	17.0
8	9.0	4.5	18.0	12.0	18.0	16.5	28.0	23.0	26.0	19.5	21.0	15.5
9	12.0	4.5	20.5	13.0	19.0	15.5	28.0	21.0	29.0	20.0	24.0	16.5
10	10.0	7.0	19.0	12.0	15.5	13.0	26.5	20.5	26.5	20.0	24.5	19.0
11	10.0	6.0	17.0	12.0	20.0	13.5	23.0	18.5	28.0	20.5	21.5	14.0
12	10.0	5.5	16.5	12.0	23.5	14.0	25.0	16.5	24.5	21.5	19.0	11.0
13	9.5	6.5	17.0	13.0	24.5	16.5	26.0	18.0	21.5	18.0	19.0	13.5
14	12.0	6.5	19.5	12.0	21.0	17.0	26.0	18.5	21.0	17.0	16.5	13.5
15	10.0	8.0	21.0	13.0	23.5	15.0	28.0	20.0	24.5	17.0	20.5	13.5
16	15.0	9.0	21.0	14.5	24.5	17.0	27.0	20.0	26.5	19.0	20.5	14.5
17	14.5	10.0	25.0	14.5	21.0	15.5	28.5	19.5	28.0	20.5	21.5	15.0
18	10.0	5.5	25.0	18.5	18.5	15.5	31.0	21.0	25.0	20.0	19.0	14.0
19	10.5	3.5	23.5	17.0	25.0	18.0	29.0	23.0	26.5	20.5	14.5	11.0
20	10.0	5.5	20.5	15.5	26.5	19.0	29.0	20.5	29.0	21.0	14.0	8.5
21	16.0	8.0	16.5	13.0	21.5	19.0	27.0	20.0	29.5	21.0	14.5	9.0
22	15.0	10.0	18.0	13.5	24.5	16.0	29.0	20.5	29.0	21.5	16.0	9.5
23	18.5	10.5	19.5	15.0	26.5	18.5	28.5	21.5	29.0	22.0	16.5	10.5
24	18.5	11.5	21.5	13.5	26.5	19.5	28.5	20.5	26.5	21.0	16.5	10.0
25	18.0	11.5	20.0	15.0	26.5	20.0	27.0	21.0	23.5	16.5	16.0	9.5
26	20.0	14.0	21.5	13.0	25.5	18.5	30.0	19.5	25.0	17.0	16.0	10.0
27	19.5	13.5	18.5	13.5	26.0	19.5	30.0	23.0	25.5	19.5	15.5	11.0
28	13.5	8.0	17.0	14.5	27.0	20.5	28.0	21.5	23.5	19.5	14.5	11.0
29	10.5	5.5	16.0	13.5	27.0	21.0	27.0	20.0	25.5	19.0	15.0	9.5
30	11.5	5.5	19.5	11.5	29.0	20.5	25.5	20.5	26.0	18.5	14.5	11.0
31	---	---	17.0	14.0	---	---	23.5	20.0	29.0	20.5	---	---
MONTH	20.0	0.5	25.0	7.0	29.0	13.0	31.0	16.5	29.5	16.5	24.5	8.5

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.
(Hydrologic bench-mark and radiochemical station)

LOCATION.--Lat 41°46'45", long 100°31'30", in SE¼NW¼ sec.23, T.21 N., R.28 W., Thomas County, at gaging station at bridge on State Highway 83, 2 mi (3.2 km) upstream from boundary of Nebraska National Forest (Bessey Division) and 14 mi (22.5 km) south of Thedford.

DRAINAGE AREA.--960 mi^2 (2,490 km^2), approximately, of which about 30 mi^2 (78 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
NOV. 19...	1000	193	56	10	0	22	2.8	7.3	5.1	99	0	81
JAN. 21...	0940	194	56	30	0	26	3.0	6.7	4.6	99	0	81
MAR. 26...	1035	193	54	10	0	25	4.3	6.9	4.9	109	0	89
MAY 07...	1035	187	--	490	5	24	3.5	--	--	103	0	84
JULY 30...	1005	177	57	20	10	23	3.6	7.0	5.1	103	0	84
SEP. 10...	1030	199	51	0	10	24	3.6	7.1	5.3	100	0	82

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NONFILTRABLE RESIDUE (MG/L) (00530)
NOV. 19...	5.3	1.8	.3	.43	--	.20	155	150	151	.21	80.8	1100
JAN. 21...	7.3	.9	.3	.53	--	.18	149	--	156	.20	78.0	--
MAR. 26...	6.5	.8	.4	.47	.19	.19	156	--	159	.21	81.3	--
MAY 07...	--	.6	.3	--	.20	--	--	--	--	--	--	--
JULY 30...	4.9	.7	.3	.20	.20	.10	150	--	153	.20	71.7	--
SEP. 10...	6.6	1.6	.3	.25	.19	.14	166	--	150	.23	89.2	--

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
NOV. 19...	67	0	.4	178	7.8	7.0	6	15	9.8	1.4	60	8
JAN. 21...	77	0	.3	180	7.4	5.0	10	25	11.7	.6	108	45
MAR. 26...	80	0	.3	181	7.3	3.0	3	--	12.2	1.2	33	44
MAY 07...	74	0	--	176	7.5	14.0	15	--	9.6	--	43	130
JULY 30...	72	0	.4	181	7.5	22.5	5	--	8.2	1.5	200	340
SEP. 10...	75	0	.4	183	7.7	18.0	4	15	8.9	--	177	152

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CYANIDE (CN) (MG/L) (00720)	TOTAL ALDRIN (UG/L) (39330)	TOTAL CHLOR-DANE (UG/L) (39350)	TOTAL DDD (UG/L) (39360)	TOTAL DDE (UG/L) (39365)	TOTAL DDT (UG/L) (39370)	TOTAL DI-AZINON (UG/L) (39570)	TOTAL DI-ELDRIN (UG/L) (39380)	TOTAL ENDRIN (UG/L) (39390)	TOTAL HEPTA-CHLOR (UG/L) (39410)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L) (39420)	TOTAL LINDANE (UG/L) (39340)
NOV. 19...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN. 21...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 26...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 07...	.00	--	--	--	--	--	--	--	--	--	--	--
JULY 30...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL MALA-THION (UG/L) (39530)	TOTAL METHYL PARA-THION (UG/L) (39600)	TOTAL PARA-THION (UG/L) (39540)	TOTAL PCB (UG/L) (39516)	TOTAL TOX-APHENE (UG/L) (39400)	TOTAL 2,4-D (UG/L) (39730)	TOTAL 2,4,5-T (UG/L) (39740)	TOTAL SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BORON (B) (UG/L) (01020)
NOV. 19...	.00	.00	.00	.0	0	.00	.00	.00	8	<100	30
JAN. 21...	--	--	--	--	--	--	--	--	--	--	150
MAR. 26...	--	--	--	--	--	--	--	--	--	--	270
MAY 07...	--	--	--	--	--	--	--	--	7	0	30
JULY 30...	--	--	--	--	--	--	--	--	--	--	20
SEP. 10...	--	--	--	--	--	--	--	--	--	--	40

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
NOV. 19...	1	0	1	2	.0	0	<1	10
MAY 07...	--	0	0	1	--	--	--	--

DATE	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L) (03515)	SUS-PENDED GROSS BETA AS CS-137 (PC/L) (03516)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED URANIUM (U) (UG/L) (80020)
NOV. 19...	<2.1	<12	5.3	21	4.4	17	.04	.17
MAY 07...	--	--	--	--	--	--	--	--

06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.

LOCATION.--Lat 41°49'02", long 99°58'15", in NE¼SW¼ sec.3, T.21 N., R.23 W., Blaine County, at Laughran bridge 9 mi (14.5 km) upstream from Rifle Creek and 15 mi (24.1 km) northwest of Milburn.

DRAINAGE AREA.--3,690 mi^2 (9,560 km^2), approximately, of which 135 mi^2 (350 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: February 1970 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT.										
02...	1035	727	--	--	--	--	--	--	--	--
18...	1110	734	--	--	--	--	--	--	--	--
21...	1135	826	--	--	--	--	--	--	--	--
29...	1430	826	--	--	--	--	--	--	--	--
NOV.										
14...	1110	753	--	--	--	--	--	--	--	--
18...	1430	748	--	--	--	--	--	--	--	--
DEC.										
05...	1125	801	--	--	--	--	--	--	--	--
09...	1350	827	--	--	--	--	--	--	--	--
18...	1100	708	--	--	--	--	--	--	--	--
23...	1120	730	--	--	--	--	--	--	--	--
30...	1125	741	--	--	--	--	--	--	--	--
JAN.										
20...	1150	937	--	--	--	--	--	--	--	--
FEB.										
10...	1155	783	59	25	3.7	7.5	6.0	105	0	86
MAR.										
25...	1127	687	--	--	--	--	--	--	--	--
APR.										
15...	1350	825	--	--	--	--	--	--	--	--
MAY										
05...	1607	730	--	--	--	--	--	--	--	--
JUNE										
17...	1500	663	--	--	--	--	--	--	--	--
JULY										
08...	1000	709	56	23	3.1	7.1	5.9	94	0	77
18...	1040	694	--	--	--	--	--	--	--	--
21...	1055	977	--	--	--	--	--	--	--	--
29...	0925	691	--	--	--	--	--	--	--	--
AUG.										
05...	1050	747	--	--	--	--	--	--	--	--
12...	1225	676	--	--	--	--	--	--	--	--
19...	0935	725	--	--	--	--	--	--	--	--
SEP.										
03...	1200	713	--	--	--	--	--	--	--	--
09...	0945	716	--	--	--	--	--	--	--	--
18...	1035	747	--	--	--	--	--	--	--	--
23...	1140	749	--	--	--	--	--	--	--	--
30...	1335	765	--	--	--	--	--	--	--	--

06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
02...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
NOV.									
14...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
DEC.									
05...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
JAN.									
20...	--	--	--	--	--	--	--	--	--
FEB.									
10...	7.6	1.0	.2	.75	.18	165	.22	349	78
MAR.									
25...	--	--	--	--	--	--	--	--	--
APR.									
15...	--	--	--	--	--	--	--	--	--
MAY									
05...	--	--	--	--	--	--	--	--	--
JUNE									
17...	--	--	--	--	--	--	--	--	--
JULY									
08...	6.0	1.1	.3	.41	.17	151	.21	289	70
18...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
AUG.									
05...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
SEP.									
03...	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
02...	--	--	173	7.5	7.5	--	15	10.3	--
18...	--	--	177	7.6	11.5	--	15	9.5	--
21...	--	--	216	7.4	13.5	--	15	9.6	--
29...	--	--	172	7.7	14.5	--	8	8.8	--
NOV.									
14...	--	--	169	7.5	1.0	--	15	12.1	--
18...	--	--	169	7.7	7.0	--	15	9.9	--
DEC.									
05...	--	--	173	7.3	4.0	--	20	11.6	--
09...	--	--	170	7.5	2.0	--	25	11.7	--
18...	--	--	170	7.4	1.0	--	25	12.1	--
23...	--	--	166	7.2	.0	--	15	14.0	--
30...	--	--	168	7.2	.5	--	15	12.0	--
JAN.									
20...	--	--	166	7.3	1.0	--	15	11.5	--
FEB.									
10...	0	.4	192	7.3	.0	5	7	13.9	30
MAR.									
25...	--	--	180	7.3	.5	--	15	13.0	--
APR.									
15...	--	--	192	7.5	9.0	--	25	10.9	--
MAY									
05...	--	--	175	7.4	22.0	--	15	8.2	--
JUNE									
17...	--	--	168	7.5	23.5	--	15	8.6	--
JULY									
08...	0	.4	177	7.3	25.5	15	20	8.1	8
18...	--	--	182	7.8	24.0	--	15	8.4	--
21...	--	--	160	7.6	21.5	--	40	8.4	--
29...	--	--	183	7.4	23.0	--	9	7.8	--
AUG.									
05...	--	--	178	7.8	22.0	--	15	8.6	--
12...	--	--	179	7.6	22.5	--	15	8.7	--
19...	--	--	183	7.5	21.5	--	15	8.5	--
SEP.									
03...	--	--	182	7.6	21.0	--	10	9.2	--
09...	--	--	182	7.6	18.5	--	15	9.3	--
18...	--	--	169	7.8	14.0	--	20	9.8	--
23...	--	--	176	7.8	15.5	--	15	10.6	--
30...	--	--	174	7.9	16.0	--	10	9.9	--

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.

LOCATION.--Lat 41°28'49", long 99°12'43", in NE¼NE¼NE¼ sec.1, T.17 N., R.17 W., Custer County, at bridge on Custer-Valley County line 0.3 mi (0.5 km) downstream from diversions for canals 3 and 4, 1.3 mi (2.1 km), south of Burlington Northern Inc. crossing, and 5.5 mi (8.8 km) southeast of Comstock.

DRAINAGE AREA.--4,650 mi^2 (12,000 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
02...	1430	356	--	--	--	--	--	--	--	--
18...	1420	400	--	--	--	--	--	--	--	--
23...	1450	460	--	--	--	--	--	--	--	--
31...	1130	874	--	--	--	--	--	--	--	--
NOV.										
14...	1510	892	--	--	--	--	--	--	--	--
20...	1520	856	--	--	--	--	--	--	--	--
DEC.										
05...	1440	1030	--	--	--	--	--	--	--	--
10...	1415	1140	--	--	--	--	--	--	--	--
18...	1530	900	--	--	--	--	--	--	--	--
23...	1520	938	--	--	--	--	--	--	--	--
JAN.										
29...	1410	873	--	--	--	--	--	--	--	--
FEB.										
11...	1210	808	60	32	4.4	9.6	7.0	122	0	100
MAR.										
18...	1432	1520	--	--	--	--	--	--	--	--
APR.										
08...	1118	1350	--	--	--	--	--	--	--	--
MAY										
01...	1140	607	--	--	--	--	--	--	--	--
JUNE										
11...	1232	182	--	--	--	--	--	--	--	--
JULY										
09...	1315	35	60	30	4.0	7.6	6.5	128	0	105
18...	1350	21	--	--	--	--	--	--	--	--
21...	1420	24	--	--	--	--	--	--	--	--
31...	1015	23	--	--	--	--	--	--	--	--
AUG.										
05...	1415	22	--	--	--	--	--	--	--	--
12...	1555	68	--	--	--	--	--	--	--	--
21...	1445	71	--	--	--	--	--	--	--	--
SEP.										
03...	1600	79	--	--	--	--	--	--	--	--
11...	1355	74	--	--	--	--	--	--	--	--
18...	1430	619	--	--	--	--	--	--	--	--
23...	1510	181	--	--	--	--	--	--	--	--

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
02...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
NOV.									
14...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
DEC.									
05...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
JAN.									
29...	--	--	--	--	--	--	--	--	--
FEB.									
11...	8.0	2.2	.3	.72	.20	187	.25	408	98
MAR.									
18...	--	--	--	--	--	--	--	--	--
APR.									
08...	--	--	--	--	--	--	--	--	--
MAY									
01...	--	--	--	--	--	--	--	--	--
JUNE									
11...	--	--	--	--	--	--	--	--	--
JULY									
09...	7.2	1.9	.4	.01	.12	181	.25	17.1	91
18...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
AUG.									
05...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--
SEP.									
03...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
02...	--	--	191	7.7	11.5	--	15	10.2	--
18...	--	--	196	7.8	13.0	--	15	9.5	--
23...	--	--	188	7.6	14.0	--	15	9.7	--
31...	--	--	182	7.8	11.0	--	15	9.6	--
NOV.									
14...	--	--	173	7.5	2.5	--	160	10.8	--
20...	--	--	177	7.7	6.5	--	60	10.7	--
DEC.									
05...	--	--	189	7.4	1.0	--	40	11.7	--
10...	--	--	189	7.3	1.0	--	30	12.0	--
18...	--	--	193	7.2	.0	--	55	12.6	--
23...	--	--	189	7.3	.0	--	45	13.6	--
JAN.									
29...	--	--	199	7.3	.0	--	15	13.1	--
FEB.									
11...	0	.4	217	7.2	.0	5	15	12.3	30
MAR.									
18...	--	--	182	7.4	3.5	--	80	13.0	--
APR.									
08...	--	--	183	7.4	7.0	--	40	12.3	--
MAY									
01...	--	--	191	7.6	12.0	--	25	11.8	--
JUNE									
11...	--	--	189	7.4	19.0	--	10	9.4	--
JULY									
09...	0	.3	221	7.4	25.5	15	10	8.4	40
18...	--	--	228	8.2	32.5	--	15	8.6	--
21...	--	--	226	8.1	27.5	--	10	8.6	--
31...	--	--	230	7.5	22.0	--	10	8.5	--
AUG.									
05...	--	--	223	8.2	29.5	--	15	8.7	--
12...	--	--	207	7.4	25.5	--	10	8.9	--
21...	--	--	208	7.5	31.0	--	10	9.0	--
SEP.									
03...	--	--	198	7.6	26.5	--	10	9.3	--
11...	--	--	190	7.6	14.5	--	7	10.6	--
18...	--	--	184	7.9	16.5	--	25	9.6	--
23...	--	--	199	7.8	18.0	--	15	10.4	--

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.

LOCATION.--Lat 41°22'30", long 99°35'10", in NW¼SW¼NW¼ sec.11, T.16 N., R.20 W., Custer County, at bridge on State Highway 2, about 3 mi (4.8 km) southeast of Broken Bow.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 21...	1415	.56	--	--	--	--	--	--	--	--	--
NOV. 19...	1420	1.0	43	20	130	77	11	55	16	337	0
DEC. 10...	1040	1.9	--	--	--	--	--	--	--	--	--
JAN. 21...	1345	2.2	--	--	--	--	--	--	--	--	--
FEB. 11...	1010	3.7	52	50	220	95	14	48	15	384	0
MAR. 05...	0950	1.5	--	--	--	--	--	--	--	--	--
APR. 17...	0908	1.9	--	--	--	--	--	--	--	--	--
MAY 28...	1340	1.0	41	70	180	72	14	50	17	299	0
JUNE 18...	0930	27	--	--	--	--	--	--	--	--	--
JULY 09...	1035	3.2	--	--	--	--	--	--	--	--	--
AUG. 20...	0905	2.2	52	10	50	59	9.8	33	13	240	0
SEP. 11...	1030	1.4	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 21...	--	--	76	--	1.1	.13	1.7	4.9	6.6	7.7
NOV. 19...	276	41	50	.2	2.1	.45	1.8	3.9	5.7	7.8
DEC. 10...	--	--	60	--	.39	.39	2.8	3.6	6.4	6.8
JAN. 21...	--	--	--	--	--	--	--	--	--	--
FEB. 11...	315	41	49	.3	.33	.34	4.7	1.7	6.4	6.7
MAR. 05...	--	--	49	--	.59	.23	6.7	1.4	8.1	8.7
APR. 17...	--	--	49	--	.12	.12	8.1	1.9	10	10
MAY 28...	245	36	48	.3	.58	.57	.08	1.1	1.2	1.8
JUNE 18...	--	--	9.8	--	.86	.75	1.6	2.6	4.2	5.1
JULY 09...	--	--	26	--	.82	--	.81	2.3	3.1	3.9
AUG. 20...	197	26	29	.2	.48	--	.55	2.1	2.6	3.1
SEP. 11...	--	--	46	--	1.8	--	.55	3.4	3.9	5.7

06783000 MUD CREEK NEAR BROKEN BOW, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)
OCT. 21...	3.0	2.6	523	--	.71	.79	--	--	--	833
NOV. 19...	2.5	2.0	--	462	.63	1.25	240	0	1.6	748
DEC. 10...	2.8	2.5	509	--	.69	2.61	--	--	--	834
JAN. 21...	--	--	--	--	--	--	--	--	--	--
FEB. 11...	2.5	2.5	--	505	.69	5.04	300	0	1.2	807
MAR. 05...	3.2	3.0	456	--	.62	1.85	--	--	--	756
APR. 17...	3.7	3.5	452	--	.61	2.32	--	--	--	749
MAY 28...	2.6	2.1	--	429	.58	1.16	240	0	1.4	705
JUNE 18...	1.5	1.1	127	--	.17	9.26	--	--	--	205
JULY 09...	1.2	1.1	347	--	.47	3.00	--	--	--	509
AUG. 20...	1.0	.87	--	341	.46	2.03	190	0	1.0	525
SEP. 11...	1.5	1.2	383	--	.52	1.45	--	--	--	560

DATE	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT. 21...	7.8	18.5	--	25	6.6	--	6230	900	--	--
NOV. 19...	7.9	6.5	30	15	9.7	15	1900	420	--	230
DEC. 10...	7.7	.5	--	15	9.9	14	9000	1700	--	--
JAN. 21...	7.3	2.0	--	15	9.2	14	22000	3100	--	--
FEB. 11...	7.5	.0	20	10	6.9	11	39000	5400	5	170
MAR. 05...	7.5	1.0	--	10	7.0	19	26000	11600	--	--
APR. 17...	7.3	12.5	--	15	5.3	12	570	160	--	--
MAY 28...	7.2	16.5	30	20	6.3	30	670	1300	--	190
JUNE 18...	7.2	16.5	--	100	6.6	30	200000	120000	--	--
JULY 09...	7.4	21.5	--	55	5.7	41	3500	9200	--	--
AUG. 20...	7.2	22.0	35	25	5.5	36	2000	1200	7	140
SEP. 11...	7.5	14.0	--	30	6.5	--	3300	5600	--	--

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS- PENDED MERCURY (HG) (UG/L) (71895)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 21...	--	--	--	--	--	--	--	--	--	--
NOV. 19...	--	--	--	--	--	--	--	--	--	--
DEC. 10...	--	--	--	--	--	--	--	--	--	--
JAN. 21...	--	--	--	--	--	--	--	--	--	--
FEB. 11...	0	0	4	4	.0	.0	.0	2	1	40
MAR. 05...	--	--	--	--	--	--	--	--	--	--
APR. 17...	--	--	--	--	--	--	--	--	--	--
MAY 28...	--	--	--	--	--	--	--	--	--	--
JUNE 18...	--	--	--	--	--	--	--	--	--	--
JULY 09...	--	--	--	--	--	--	--	--	--	--
AUG. 20...	0	0	2	2	.0	.0	.0	2	0	30
SEP. 11...	--	--	--	--	--	--	--	--	--	--

06784000 SOUTH LOUP RIVER AT ST. MICHAEL, NEBR.

LOCATION.--Lat 41°01'53", long 98°44'25", in NE¼NE¼ sec.11, T.12 N., R.13 W., Buffalo County, at gaging station at county highway bridge, 0.6 mi (1.0 km) northeast of St. Michael, and 3.4 mi (5.5 km) upstream from Sweet Creek.

DRAINAGE AREA.--2,350 mi^2 (6,090 km^2), approximately, of which about 1,610 mi^2 (4,170 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1975.
Water temperatures: October 1952 to June 1953.
Sediment records: June 1946 to June 1953.

EXTREMES.--Period of record:
Water temperatures: Maximum, 33.5°C June 13, 14, 1953; minimum, freezing point on many days during November to February.
Sediment concentrations: Maximum daily, 19,300 mg/l June 19, 1946; minimum daily, 13 mg/l Dec. 30, 31, 1951.
Sediment discharge: Maximum daily, 672,000 tons June 22, 1947; minimum daily, 6 tons Dec. 30, 31, 1951.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT.										
01...	1100	107	--	--	--	--	--	--	--	--
10...	1500	124	--	--	--	--	--	--	--	--
15...	1545	136	--	--	--	--	--	--	--	--
29...	1540	182	--	--	--	--	--	--	--	--
NOV.										
20...	1215	175	--	--	--	--	--	--	--	--
25...	1635	174	--	--	--	--	--	--	--	--
DEC.										
09...	1515	163	--	--	--	--	--	--	--	--
JAN.										
12...	1015	139	--	--	--	--	--	--	--	--
20...	1345	222	--	--	--	--	--	--	--	--
FEB.										
03...	1510	207	51	61	9.4	12	8.7	253	0	208
MAR.										
04...	1600	244	--	--	--	--	--	--	--	--
APR.										
15...	1430	287	--	--	--	--	--	--	--	--
MAY										
06...	1550	195	--	--	--	--	--	--	--	--
JULY										
11...	0935	161	44	54	6.6	11	10	215	0	176
16...	1405	96	--	--	--	--	--	--	--	--
23...	1115	602	--	--	--	--	--	--	--	--
29...	1340	94	--	--	--	--	--	--	--	--
AUG.										
07...	1020	131	--	--	--	--	--	--	--	--
13...	1105	82	--	--	--	--	--	--	--	--
19...	1340	72	--	--	--	--	--	--	--	--
27...	1150	54	--	--	--	--	--	--	--	--
SEP.										
11...	1435	70	--	--	--	--	--	--	--	--
16...	1135	96	--	--	--	--	--	--	--	--
24...	1130	84	--	--	--	--	--	--	--	--

06784000 SOUTH LOUP RIVER AT ST. MICHAEL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS- SOLVED SOLIDS (TONS PER DAY) (70302)	HARD- NESS (CA,MG) (MG/L) (00900)
OCT.									
01...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
NOV.									
20...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
DEC.									
09...	--	--	--	--	--	--	--	--	--
JAN.									
12...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
FEB.									
03...	18	4.3	.3	.88	.20	293	.40	164	190
MAR.									
04...	--	--	--	--	--	--	--	--	--
APR.									
15...	--	--	--	--	--	--	--	--	--
MAY									
06...	--	--	--	--	--	--	--	--	--
JULY									
11...	16	3.5	.3	.00	.26	251	.34	109	160
16...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
AUG.									
07...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
SEP.									
11...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--

DATE	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT.									
01...	--	--	387	8.2	10.5	--	50	11.0	--
10...	--	--	392	8.3	21.0	--	55	9.2	--
15...	--	--	390	8.3	13.0	--	50	10.2	--
29...	--	--	374	8.2	17.0	--	55	8.6	--
NOV.									
20...	--	--	391	8.2	5.0	--	50	11.5	--
25...	--	--	391	7.9	4.0	--	35	11.6	--
DEC.									
09...	--	--	457	7.7	1.0	--	30	11.8	--
JAN.									
12...	--	--	476	7.2	.0	--	15	9.0	--
20...	--	--	350	7.4	.5	--	20	10.5	--
FEB.									
03...	0	.4	416	7.1	.5	5	20	12.6	40
MAR.									
04...	--	--	372	7.2	.5	--	30	13.1	--
APR.									
15...	--	--	380	8.0	9.5	--	40	9.7	--
MAY									
06...	--	--	382	8.6	22.0	--	65	9.7	--
JULY									
11...	0	.4	356	8.3	21.0	20	90	8.9	60
16...	--	--	379	8.4	30.0	--	45	8.6	--
23...	--	--	262	7.4	26.0	--	140	5.7	--
29...	--	--	398	8.4	30.0	--	65	12.0	--
AUG.									
07...	--	--	356	8.3	22.0	--	75	8.9	--
13...	--	--	356	7.3	23.0	--	40	9.4	--
19...	--	--	344	8.3	30.0	--	45	9.0	--
27...	--	--	439	8.2	26.5	--	30	9.0	--
SEP.									
11...	--	--	362	8.4	15.5	--	35	10.7	--
16...	--	--	362	8.4	17.5	--	50	11.7	--
24...	--	--	373	7.6	14.0	--	30	12.4	--

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.

LOCATION.--Lat 41°11'55", long 98°26'50", in NE¼SW¼NE¼ sec.10, T.14 N., R.10 W., Howard County, at gaging station 450 ft (137 m) upstream from bridge on U.S. Highway 281 and 6 mi (9.7 km) upstream from confluence with North Loup River.

DRAINAGE AREA.--8,090 mi^2 (21,000 km^2), approximately, of which about 3,130 mi^2 (8,110 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)
OCT.										
01...	1340	476	--	--	--	--	--	--	--	--
07...	1335	582	--	--	--	--	--	--	--	--
15...	1145	569	--	--	--	--	--	--	--	--
25...	1420	625	--	--	--	--	--	--	--	--
NOV.										
14...	1350	1170	--	--	--	--	--	--	--	--
20...	1545	990	--	--	--	--	--	--	--	--
26...	1325	1070	--	--	--	--	--	--	--	--
DEC.										
03...	1300	851	--	--	--	--	--	--	--	--
11...	1340	1010	--	--	--	--	--	--	--	--
17...	1420	1150	--	--	--	--	--	--	--	--
31...	1350	1130	--	--	--	--	--	--	--	--
JAN.										
22...	1400	1450	--	--	--	--	--	--	--	--
FEB.										
13...	1535	977	60	49	8.2	13	7.0	--	0	--
MAR.										
12...	1120	1160	--	--	--	--	--	--	--	--
APR.										
17...	1500	1110	--	--	--	--	--	--	--	--
MAY										
07...	1320	549	--	--	--	--	--	--	--	--
JUNE										
16...	1135	541	--	--	--	--	--	--	--	--
JULY										
07...	1155	362	49	50	8.1	12	10	206	0	169
15...	1355	262	--	--	--	--	--	--	--	--
23...	1505	1710	--	--	--	--	--	--	--	--
AUG.										
01...	1140	210	--	--	--	--	--	--	--	--
07...	1410	319	--	--	--	--	--	--	--	--
13...	1430	319	--	--	--	--	--	--	--	--
22...	1320	186	--	--	--	--	--	--	--	--
27...	1430	208	--	--	--	--	--	--	--	--
SEP.										
08...	1110	247	--	--	--	--	--	--	--	--
15...	1300	255	--	--	--	--	--	--	--	--
24...	1540	295	--	--	--	--	--	--	--	--
29...	1130	370	--	--	--	--	--	--	--	--

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT.									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
NOV.									
14...	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
DEC.									
03...	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
JAN.									
22...	--	--	--	--	--	--	--	--	--
FEB.									
13...	17	4.1	.3	1.3	.16	--	--	--	160
MAR.									
12...	--	--	--	--	--	--	--	--	--
APR.									
17...	--	--	--	--	--	--	--	--	--
MAY									
07...	--	--	--	--	--	--	--	--	--
JUNE									
16...	--	--	--	--	--	--	--	--	--
JULY									
07...	15	3.1	.3	.08	.25	249	.34	243	160
15...	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--
AUG.									
01...	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
SEP.									
08...	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
01...	--	--	311	8.0	13.5	--	30	9.9	--
07...	--	--	292	7.9	12.5	--	30	10.2	--
15...	--	--	297	8.0	10.0	--	20	10.6	--
25...	--	--	301	8.1	12.5	--	20	10.1	--
NOV.									
14...	--	--	246	7.9	2.5	--	60	12.0	--
20...	--	--	260	7.8	7.0	--	60	10.8	--
26...	--	--	264	7.5	5.0	--	40	11.6	--
DEC.									
03...	--	--	300	7.7	1.5	--	30	12.6	--
11...	--	--	284	7.4	1.5	--	40	12.1	--
17...	--	--	289	7.5	.0	--	40	12.2	--
31...	--	--	276	7.5	.5	--	35	13.6	--
JAN.									
22...	--	--	287	7.5	.5	--	15	13.5	--
FEB.									
13...	--	.5	419	7.3	.5	--	10	13.0	40
MAR.									
12...	--	--	295	7.7	.0	--	25	14.3	--
APR.									
17...	--	--	282	8.0	15.5	--	40	9.9	--
MAY									
07...	--	--	343	8.4	18.5	--	30	10.1	--
JUNE									
16...	--	--	304	8.5	23.5	--	40	9.5	--
JULY									
07...	0	.4	334	8.3	28.5	20	45	8.2	30
15...	--	--	371	8.3	27.5	--	55	9.2	--
23...	--	--	270	7.3	29.5	--	200	6.9	--
AUG.									
01...	--	--	355	8.2	23.0	--	70	8.4	--
07...	--	--	323	8.2	26.5	--	80	7.9	--
13...	--	--	304	7.3	26.0	--	95	8.5	--
22...	--	--	356	8.2	30.0	--	55	8.4	--
27...	--	--	335	8.2	28.5	--	55	8.4	--
SEP.									
08...	--	--	331	8.2	18.0	--	60	9.8	--
15...	--	--	339	8.3	15.5	--	35	17.5	--
24...	--	--	321	7.7	19.0	--	25	10.7	--
29...	--	--	311	8.0	14.0	--	35	11.4	--

06786000 NORTH LOUP RIVER AT TAYLOR, NEBR.

LOCATION.--Lat 41°46'37", long 99°22'45", in NE¼SE¼ sec.22, T.21 N., R.18 W., Loup County, at gaging station at bridge on U.S. Highway 183 and 0.4 mi (0.6 km) north of Taylor.

DRAINAGE AREA.--2,280 mi^2 (5,910 km^2), approximately, of which about 180 mi^2 (470 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1975.
Water temperatures: July 1974 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 317 micromhos Feb. 23; minimum daily, 89 micromhos Dec. 21.
Water temperatures: Maximum, 27.0°C July 19; minimum, freezing point on many days during January to March.

Period of record:
Specific conductance: Maximum daily, 317 micromhos Feb. 23, 1975; minimum daily, 89 micromhos Dec. 21, 1974.
Water temperatures: Maximum, 29.0°C July 29, 1974; minimum, freezing point on many days during winter months.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 03...	1140	429	58	50	0	22	3.0	5.8	5.3	95
NOV. 07...	1310	448	58	--	60	21	2.7	6.1	5.6	92
DEC. 04...	1145	487	56	310	0	--	3.1	6.9	5.2	92
JAN. 02...	1320	424	59	40	0	21	2.8	7.0	6.1	94
FEB. 13...	1030	483	60	40	10	24	3.4	7.0	6.3	103
MAR. 17...	1505	551	52	30	20	19	2.8	5.5	5.8	87
APR. 07...	1525	760	45	60	170	18	2.9	5.8	5.9	84
MAY 19...	1450	380	53	40	5	22	3.0	6.9	5.8	104
JUNE 10...	1428	419	51	40	0	25	3.1	6.4	6.2	97
JULY 21...	1435	187	57	20	0	23	3.3	6.8	6.6	95
AUG. 11...	1520	131	56	10	0	22	3.3	7.1	6.8	107
SEP. 22...	1440	328	54	20	0	21	2.7	6.2	5.8	90

DATE	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 03...	174	67	0	.3	168	7.4	11.5	8	30
NOV. 07...	180	64	0	.3	163	7.4	10.0	20	20
DEC. 04...	174	--	--	--	162	7.1	2.0	8	50
JAN. 02...	174	64	0	.4	168	7.2	.0	3	30
FEB. 13...	213	74	0	.4	171	7.0	.0	5	20
MAR. 17...	204	59	0	.3	157	7.7	5.5	8	20
APR. 07...	261	57	0	.3	150	7.4	7.0	30	30
MAY 19...	150	67	0	.4	182	7.5	24.0	8	50
JUNE 10...	171	75	0	.3	165	7.6	16.5	9	20
JULY 21...	75.7	71	0	.4	174	7.5	26.0	9	30
AUG. 11...	54.5	69	0	.4	184	7.6	30.5	9	20
SEP. 22...	125	64	0	.3	168	7.7	17.0	4	4

06786000 NORTH LOUP RIVER AT TAYLOR, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	DIS- SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT.									
03...	0	78	5.8	1.1	.3	.38	.13	150	.20
NOV.									
07...	0	75	4.4	.6	.3	.58	.14	149	.20
DEC.									
04...	0	75	4.1	.9	.3	.73	.16	--	--
JAN.									
02...	0	77	5.1	1.0	.3	.83	.19	152	.21
FEB.									
13...	0	84	4.9	2.7	.3	.73	.16	163	.22
MAR.									
17...	0	71	4.1	.9	.4	.69	.13	137	.19
APR.									
07...	0	69	4.4	1.5	.3	.49	.17	128	.17
MAY									
19...	0	85	2.9	.8	.4	.03	.10	146	.20
JUNE									
10...	0	80	5.0	2.0	.4	.16	.09	148	.20
JULY									
21...	0	78	4.4	1.3	.3	.01	.07	150	.20
AUG.									
11...	0	88	4.8	.9	.4	.01	.05	154	.21
SEP.									
22...	0	74	4.3	.9	.3	.42	.13	141	.19

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	149	96	192	180	157	158	284	187	193	210	186
2	170	169	102	173	173	157	160	187	176	181	170	184
3	168	165	100	166	164	164	161	187	171	181	191	184
4	167	166	107	175	164	158	154	180	172	181	187	189
5	170	114	109	173	164	153	156	182	163	185	182	172
6	170	158	150	151	162	160	157	186	166	166	184	175
7	164	163	152	173	223	161	155	176	169	184	194	175
8	164	162	174	159	216	162	170	180	170	184	178	171
9	164	165	165	159	193	159	174	196	175	182	188	174
10	166	162	147	172	190	169	186	176	172	183	191	174
11	168	134	104	184	192	161	184	174	173	184	187	170
12	164	138	146	196	312	164	179	174	171	186	187	170
13	168	146	152	195	194	163	176	183	164	186	188	168
14	167	156	168	194	258	162	191	186	171	198	174	167
15	175	148	161	118	123	170	189	187	170	201	170	166
16	166	165	105	184	168	155	196	188	176	202	181	167
17	168	144	126	184	170	158	194	186	172	198	173	173
18	164	157	113	162	155	161	183	184	175	185	172	173
19	165	134	156	176	160	163	185	191	145	187	171	174
20	166	145	105	160	155	163	184	185	144	182	173	172
21	166	130	89	151	157	166	185	184	163	182	173	171
22	166	110	104	153	152	169	180	186	162	165	172	174
23	171	113	174	156	317	166	179	189	168	158	177	175
24	169	116	158	155	157	189	183	174	165	175	169	169
25	159	105	158	156	151	185	183	172	167	176	187	170
26	166	123	142	153	147	184	184	176	167	193	190	166
27	165	140	156	154	145	200	182	176	176	190	188	169
28	168	118	168	141	145	188	190	178	176	193	191	167
29	166	172	172	173	---	190	180	178	176	202	189	167
30	160	180	176	174	---	189	182	177	178	198	188	169
31	158	---	161	176	---	178	---	174	---	197	192	---
MONTH	166	145	139	167	182	169	177	185	169	186	183	173

06786000 NORTH LOUP RIVER AT TAYLOR, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	10.0	1.0	2.0	4.0	0.0	5.0	10.0	12.0	23.0	22.0	15.0
2	6.5	9.0	1.0	2.5	4.0	2.0	5.0	10.0	12.0	22.0	22.0	15.0
3	9.0	9.0	2.0	1.0	3.0	2.0	5.0	10.0	12.0	22.0	20.0	15.0
4	12.5	8.0	3.0	1.0	0.0	5.5	5.0	10.0	12.0	23.0	20.0	14.0
5	12.5	6.0	3.0	0.0	0.0	4.0	7.0	10.0	12.0	23.0	20.0	16.0
6	10.0	6.0	3.0	1.5	3.0	3.0	2.5	10.0	12.0	23.0	22.0	14.0
7	15.5	9.5	3.0	1.5	5.0	5.0	2.5	12.0	12.0	23.0	20.0	16.0
8	9.0	7.5	2.0	1.5	4.0	3.0	2.5	12.0	12.0	23.0	20.0	20.0
9	12.0	6.5	1.0	1.5	0.0	2.0	2.5	12.0	14.0	25.0	20.0	22.0
10	12.0	6.5	1.0	0.0	0.5	0.0	4.0	10.0	12.0	25.0	20.0	10.0
11	7.5	7.0	1.0	0.0	0.5	0.0	5.0	8.0	12.0	25.0	20.0	10.0
12	9.5	5.0	1.0	0.0	1.0	1.0	5.0	8.0	12.0	23.0	20.0	10.0
13	10.0	5.5	4.0	1.5	0.0	1.0	4.5	10.0	12.0	23.0	20.0	8.0
14	12.0	3.5	3.0	1.5	0.5	2.0	10.0	12.0	12.0	25.0	20.0	9.0
15	12.5	3.5	3.0	1.5	0.5	1.0	15.0	14.0	12.0	25.0	20.0	18.0
16	12.0	8.0	1.0	1.0	2.0	4.0	15.0	12.0	12.0	25.0	20.0	18.0
17	12.5	7.5	1.5	1.0	2.0	4.0	6.5	12.0	12.0	26.0	20.0	12.0
18	12.0	6.0	2.0	1.0	0.0	5.0	6.5	12.0	12.0	25.0	22.0	11.0
19	9.0	6.5	2.0	6.0	0.0	4.0	12.0	12.0	20.0	27.0	22.0	10.0
20	9.0	6.0	2.5	5.0	2.0	4.0	12.0	10.0	20.0	22.0	22.0	10.0
21	9.0	7.0	3.5	1.0	2.0	5.0	12.0	10.0	20.0	22.0	20.0	12.0
22	9.5	7.5	3.5	0.0	2.0	5.0	15.0	10.0	16.0	22.0	20.0	12.0
23	10.0	5.0	2.5	0.0	0.5	5.5	15.0	12.0	20.0	22.0	20.0	12.0
24	12.0	2.0	1.0	0.0	0.5	1.0	13.0	15.0	20.0	20.0	20.0	12.0
25	12.0	6.0	2.0	0.0	1.0	1.5	13.0	15.0	18.0	20.0	12.0	12.0
26	9.0	6.0	2.5	0.0	1.0	1.0	13.0	12.0	18.0	22.0	12.0	12.0
27	10.5	2.0	2.5	0.0	0.0	0.5	12.0	12.0	20.0	22.0	15.0	12.0
28	12.5	3.0	1.5	1.0	1.0	0.5	12.0	12.0	20.0	22.0	17.0	12.0
29	12.0	3.0	1.5	0.0	---	1.0	12.0	12.0	25.0	22.0	17.0	12.0
30	12.0	2.0	1.5	3.0	---	0.5	13.0	12.0	25.0	22.0	17.0	10.0
31	11.5	---	1.0	2.0	---	0.5	---	12.0	---	22.0	17.0	---
MONTH	10.5	6.0	2.0	1.0	1.5	2.5	9.0	11.5	15.5	23.0	19.5	13.0

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.

LOCATION.--Lat 41°48'35", long 99°10'56", in NW¼NW¼ sec.9, T.21 N., R.16 W., Garfield County, at gaging station at bridge 1.5 mi (2.4 km) upstream from mouth and 3 mi (4.8 km) northwest of Burwell.

DRAINAGE AREA.--1,060 mi^2 (2,750 km^2), approximately, of which about 110 mi^2 (280 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1971 to September 1975.
Water temperatures: October 1971 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 196 micromhos June 1; minimum daily, 126 micromhos Feb. 13.
Water temperatures: Maximum, 28.5°C Aug. 22; minimum, 0.5°C on several days during January to February.

Period of record:
Specific conductance: Maximum daily, 221 micromhos May 17, 1972; minimum daily, 115 micromhos Nov. 18, 1973.
Water temperatures: Maximum, 32.0°C June 30, 1973; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IPON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 03...	0950	261	--	--	--	--	--	--	--	--
NOV. 07...	1040	304	53	--	--	20	2.3	5.9	4.8	79
DEC. 04...	1000	295	--	--	--	--	--	--	--	--
JAN. 02...	1500	308	53	--	--	16	2.4	6.0	4.8	76
FEB. 27...	1205	309	--	--	--	--	--	--	--	--
MAR. 17...	1115	326	46	--	--	17	2.6	5.7	4.9	79
APR. 07...	1210	380	41	--	--	17	2.7	5.9	5.4	78
MAY 19...	1147	289	45	70	60	20	2.5	6.0	3.9	80
JUNE 10...	1055	311	43	--	--	18	2.6	5.8	4.6	82
JULY 21...	1055	269	47	--	--	18	2.6	5.9	4.6	81
AUG. 11...	1225	250	47	--	--	17	2.5	6.7	4.9	81
SEP. 22...	1130	274	48	--	--	17	2.4	5.8	4.7	72

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 03...	--	--	--	--	--	--	--	--	--	--
NOV. 07...	0	65	3.3	.6	.2	.53	.16	131	.18	108
DEC. 04...	--	--	--	--	--	--	--	--	--	--
JAN. 02...	0	62	3.5	.7	.2	.69	.15	127	.17	106
FEB. 27...	--	--	--	--	--	--	--	--	--	--
MAR. 17...	0	65	3.3	1.1	.3	.53	.16	122	.17	107
APR. 07...	0	64	4.5	1.1	.3	.33	.16	118	.16	121
MAY 19...	0	66	3.3	1.1	.3	.26	.16	123	.17	96.0
JUNE 10...	0	67	2.7	1.0	.3	.21	.13	119	.16	99.9
JULY 21...	0	66	4.6	1.3	.2	.24	.14	125	.17	90.8
AUG. 11...	0	66	4.6	.7	.3	.26	.11	125	.17	84.4
SEP. 22...	0	59	3.4	.9	.3	.42	.14	120	.16	88.8

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM AD-SORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 03...	--	--	--	--	7.3	9.5	--	6	9.7	--
NOV. 07...	59	0	.3	141	7.4	8.5	5	5	10.2	20
DEC. 04...	--	--	--	--	7.1	3.0	--	10	12.0	--
JAN. 02...	50	0	.4	136	7.3	.0	3	6	13.9	30
FEB. 27...	--	--	--	--	7.5	3.0	--	10	13.0	--
MAR. 17...	53	0	.3	141	7.6	5.0	5	10	12.2	10
APR. 07...	54	0	.4	142	7.2	6.5	30	20	11.6	30
MAY 19...	60	0	.3	150	7.6	21.0	10	10	9.0	40
JUNE 10...	56	0	.3	136	7.5	15.5	10	15	9.9	20
JULY 21...	56	0	.3	140	7.5	22.0	10	10	8.3	20
AUG. 11...	53	0	.4	143	7.6	25.5	10	10	8.4	0
SEP. 22...	52	0	.3	145	7.8	12.0	3	7	10.9	0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	141	145	149	144	143	174	151	196	145	146	157
2	141	140	138	145	140	146	151	146	130	145	149	147
3	140	139	137	145	137	151	159	145	129	146	145	145
4	143	139	141	139	142	148	146	156	133	147	144	148
5	140	139	140	148	162	139	148	163	133	148	143	147
6	160	138	142	142	150	138	147	146	128	146	146	147
7	141	139	144	140	163	158	148	146	141	144	144	146
8	140	138	146	141	144	140	145	146	143	145	144	149
9	141	137	141	144	143	146	148	151	143	142	144	147
10	139	138	146	140	144	144	144	139	156	138	145	145
11	158	139	143	139	138	145	142	139	156	140	143	145
12	142	138	139	145	143	142	143	140	161	142	143	146
13	140	137	141	141	126	151	144	147	155	145	148	146
14	141	142	145	136	136	142	188	147	149	146	146	146
15	140	146	141	141	153	142	148	152	149	145	143	145
16	140	141	140	136	142	142	145	146	151	145	143	145
17	141	139	140	137	145	142	146	154	159	146	144	146
18	141	141	141	138	144	148	148	151	149	145	144	146
19	141	140	140	140	140	148	145	145	156	143	150	146
20	141	141	138	138	144	147	147	144	151	140	144	146
21	140	142	141	142	142	142	146	150	145	140	144	149
22	140	154	149	159	140	142	145	144	148	143	148	146
23	140	139	140	140	140	147	144	140	148	146	145	146
24	140	143	140	149	140	142	142	141	151	147	149	148
25	142	144	138	140	141	143	145	164	146	149	146	146
26	142	142	137	139	140	142	143	143	143	145	145	146
27	142	139	144	142	147	138	141	140	143	147	144	147
28	142	146	144	144	140	155	142	143	145	150	145	146
29	141	143	141	146	---	139	142	144	145	147	143	150
30	141	143	144	143	---	148	145	144	148	144	152	145
31	141	---	140	143	---	141	---	144	---	145	148	---
MONTH	142	141	141	142	143	145	148	147	148	145	145	147

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	8.0	6.5	2.0	1.0	3.5	2.5	12.5	15.5	24.0	26.0	21.0
2	8.5	7.5	4.5	1.0	1.5	4.5	1.5	14.0	16.0	24.0	25.5	20.5
3	9.5	7.5	5.0	3.0	1.0	4.5	2.0	13.0	16.5	22.0	25.0	21.0
4	10.0	8.0	4.0	1.5	1.5	3.5	4.0	14.0	17.5	24.0	26.5	20.0
5	9.5	8.0	4.5	0.5	0.5	4.5	3.5	14.5	17.0	22.0	27.5	20.5
6	8.5	8.5	4.0	0.5	0.5	5.5	5.0	15.0	17.0	23.0	26.5	20.5
7	7.5	7.5	5.0	1.0	1.0	1.5	6.5	13.5	17.5	23.0	26.5	18.0
8	7.5	7.5	4.5	1.5	1.0	2.0	6.5	14.5	16.5	20.0	26.0	20.0
9	7.0	7.0	3.5	1.5	0.5	2.5	7.0	15.0	17.0	20.0	26.5	19.5
10	7.0	6.5	4.0	0.5	0.5	3.5	8.0	16.0	17.5	19.0	26.5	18.5
11	17.0	7.0	4.0	1.0	1.5	3.5	6.5	14.0	17.5	18.5	26.5	18.0
12	9.0	7.0	4.5	0.5	1.0	1.5	6.0	13.5	18.0	18.5	27.0	18.0
13	9.5	6.5	3.5	0.5	1.0	3.0	7.5	13.0	18.5	19.0	26.0	18.5
14	8.0	7.5	4.5	0.5	0.5	4.0	8.0	14.5	19.0	19.5	27.0	17.0
15	7.0	7.0	3.0	0.5	0.5	3.0	8.5	15.0	19.5	22.5	27.0	18.0
16	9.0	8.5	2.5	0.5	1.5	2.5	8.5	16.0	18.5	25.0	26.5	17.0
17	8.5	10.5	2.5	0.5	1.0	2.0	7.5	14.0	20.5	24.5	27.5	16.5
18	7.5	8.0	2.5	1.0	1.5	3.0	6.5	15.0	21.5	27.0	26.5	17.0
19	8.5	6.5	2.5	1.0	2.0	3.0	8.0	15.0	21.0	24.5	27.5	17.5
20	7.5	6.0	3.5	1.0	2.0	2.0	10.0	14.5	18.5	19.0	27.5	17.5
21	8.5	5.0	4.0	1.5	2.0	1.5	9.5	14.5	20.0	22.0	28.0	16.5
22	9.0	5.0	4.5	1.5	1.5	2.0	7.5	15.0	17.5	21.5	28.5	16.5
23	9.5	4.5	4.5	4.5	1.0	1.5	11.5	16.0	20.5	22.0	26.5	16.5
24	10.5	4.5	3.5	4.5	1.5	1.5	11.0	16.5	19.5	21.0	27.5	16.0
25	8.5	5.0	3.0	1.0	2.0	1.0	12.0	15.5	19.0	21.5	27.5	16.0
26	9.5	5.5	1.5	1.0	2.5	1.5	11.5	15.0	21.5	24.5	26.0	16.5
27	9.0	3.0	2.0	1.0	1.5	2.0	12.5	16.0	21.0	24.5	25.0	16.5
28	9.5	3.5	4.0	1.0	3.0	2.5	11.0	16.5	22.5	26.0	24.5	16.0
29	9.5	4.5	1.5	1.0	---	3.0	12.5	16.0	22.0	24.0	24.0	16.5
30	12.5	5.0	1.0	0.5	---	3.5	12.5	15.0	22.5	24.0	23.5	15.5
31	8.5	---	1.0	1.0	---	2.5	---	15.0	---	22.0	23.5	---
MONTH	9.0	6.5	3.5	1.0	1.5	3.0	8.0	15.0	19.0	22.5	26.5	18.0

06790500 NORTH LOUP RIVER NEAR ST. PAUL, NEBR.

LOCATION.--Lat 41°15'35", long 98°26'50", in NW¼NW¼NE¼ sec.22, T.15 N., R.10 W., Howard County, at gaging station at bridge on U.S. Highway 281, 3 mi (5 km) north of St. Paul, and 4 mi (6 km) upstream from confluence with Middle Loup River.

DRAINAGE AREA.--4,290 mi^2 (11,100 km^2), approximately, of which about 1,240 mi^2 (3,210 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1975.
Water temperatures: April 1948 to November 1948, July 1974 to September 1975.
Sediment records: April 1946 to June 1953.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 335 micromhos Aug. 9; minimum daily, 193 micromhos Feb. 28, Mar. 3.
Water temperatures: Maximum, 33.0°C July 3; minimum, freezing point on several days during February to March.

Period of record:
Specific conductance: maximum daily, 335 micromhos Aug. 9, 1975; minimum daily, 193 micromhos Feb. 28, Mar. 3, 1975.
Water temperatures: Maximum (1974-75), 33.0°C July 3, 1975; minimum, freezing point on several days during winter period.
Sediment concentrations: Maximum daily, 17,400 mg/l April 27, 1951; minimum daily, not determined.
Sediment discharge: Maximum daily, 463,000 tons June 22, 1947; minimum daily, 20 tons Aug. 3, 1946, Feb. 22, 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 07...	1050	863	54	30	0	28	5.9	7.3	5.5	123
NOV. 14...	1115	908	55	10	0	28	4.6	7.9	5.2	122
DEC. 11...	1055	800	57	30	0	31	4.4	8.1	6.1	123
JAN. 22...	1055	1220	56	30	20	27	4.7	7.3	5.9	118
FEB. 13...	1245	1170	58	60	0	30	4.5	8.0	6.8	126
MAR. 12...	1510	949	48	30	30	29	4.9	7.1	6.3	124
APR. 17...	1115	1110	45	40	0	31	6.0	8.8	7.5	134
MAY 14...	1620	891	46	50	5	28	4.5	7.8	7.1	123
JUNE 05...	1305	686	46	60	0	29	4.1	8.0	7.3	124
JULY 07...	1445	522	54	20	40	32	6.0	8.6	7.8	141
AUG. 22...	1050	307	52	50	10	34	5.6	9.1	7.7	156
SEP. 29...	1400	697	47	40	10	34	4.7	7.7	6.4	127

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 07...	0	101	8.1	2.3	.5	.48	.13	174	.24
NOV. 14...	0	100	7.2	1.7	.3	.65	.15	173	.24
DEC. 11...	0	101	7.0	1.1	.3	.79	.15	179	.24
JAN. 22...	0	97	7.3	1.9	.3	.85	.20	172	.23
FEB. 13...	0	103	6.7	2.6	.3	.87	.17	183	.25
MAR. 12...	0	102	6.5	1.1	.3	.78	.14	168	.23
APR. 17...	0	110	8.9	2.0	.4	.54	.17	178	.24
MAY 14...	0	101	7.9	1.5	.3	.13	.15	164	.22
JUNE 05...	0	102	6.9	1.4	.3	.01	.06	164	.22
JULY 07...	0	116	7.2	1.6	.3	.01	.10	187	.25
AUG. 22...	0	128	8.1	1.3	.3	.02	.06	195	.27
SEP. 29...	0	104	6.5	1.4	.3	.33	.10	172	.23

06790500 NORTH LOUP RIVER NEAR ST. PAUL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 07...	405	94	0	.3	214	7.6	8.5	3	0
NOV. 14...	424	89	0	.4	217	7.8	1.5	4	40
DEC. 11...	387	96	0	.4	222	7.1	.5	5	30
JAN. 22...	567	87	0	.3	212	7.3	.0	10	30
FEB. 13...	623	93	0	.4	231	7.6	.5	10	20
MAR. 12...	430	93	0	.3	220	7.4	.5	8	20
APR. 17...	533	100	0	.4	240	7.6	13.0	20	40
MAY 14...	395	88	0	.4	219	8.1	20.5	6	60
JUNE 05...	304	89	0	.4	209	8.3	24.0	4	20
JULY 07...	264	100	0	.4	237	8.2	33.5	20	10
AUG. 22...	162	110	0	.4	253	8.2	26.5	20	60
SEP. 29...	324	100	0	.3	214	7.8	17.0	5	30

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217	241	232	219	231	204	229	227	226	236	276	281
2	224	235	240	224	232	197	205	259	218	231	292	281
3	216	218	233	219	227	193	212	267	217	233	269	268
4	216	217	221	228	216	196	211	237	209	235	250	256
5	216	220	210	224	218	203	215	242	224	236	255	244
6	217	225	196	227	244	198	224	234	225	237	271	249
7	217	222	201	222	260	204	207	226	224	247	280	246
8	213	220	234	212	273	204	207	231	208	248	290	244
9	215	218	234	210	272	221	212	226	222	257	335	233
10	215	218	221	230	262	220	206	230	236	270	283	230
11	214	239	215	243	254	228	208	223	221	268	285	232
12	215	216	205	278	238	216	206	214	219	275	297	235
13	233	216	206	302	227	219	227	207	229	281	283	232
14	216	215	232	317	219	213	232	215	224	280	284	230
15	217	213	235	322	234	202	238	222	228	284	292	225
16	223	216	225	288	215	196	230	218	225	290	293	223
17	214	216	217	260	221	196	227	221	222	304	275	222
18	212	214	219	232	217	210	237	228	227	304	244	228
19	215	213	219	231	210	225	235	226	226	268	257	228
20	217	214	217	224	208	225	241	223	230	274	266	229
21	217	215	225	210	208	219	228	232	246	285	262	230
22	212	212	214	207	202	224	238	230	227	264	268	226
23	212	217	217	204	202	219	235	226	235	246	269	226
24	215	237	227	206	207	220	248	240	236	230	270	224
25	210	211	240	203	201	235	240	230	236	231	253	222
26	216	210	265	202	205	223	234	225	234	234	262	249
27	221	218	238	209	200	216	231	226	237	237	269	220
28	211	212	239	210	193	227	226	221	238	245	270	218
29	213	214	236	217	---	237	232	227	236	272	283	218
30	241	220	228	219	---	239	245	227	234	273	282	218
31	261	---	221	231	---	236	---	229	---	279	282	---
MONTH	218	219	225	233	225	215	226	229	227	260	276	236

06790500 NORTH LOUP RIVER NEAR ST. PAUL, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	7.5	2.0	1.0	1.0	1.5	2.0	15.0	18.0	32.0	23.0	26.0
2	8.0	8.0	2.0	0.5	1.0	1.5	3.0	16.0	19.0	32.0	26.0	26.0
3	9.0	8.0	2.5	1.0	1.0	1.0	5.0	15.0	27.0	33.0	28.0	22.0
4	10.0	5.0	3.0	1.0	0.5	1.0	12.0	15.0	27.0	32.0	29.0	17.0
5	10.0	8.5	2.5	1.0	0.5	1.0	13.0	24.0	28.0	33.0	29.0	22.0
6	8.0	3.5	3.0	1.0	0.5	1.0	10.0	24.0	23.0	32.0	24.0	23.0
7	7.5	5.0	2.0	1.0	0.5	1.0	9.0	22.0	25.0	32.0	28.0	15.0
8	9.5	7.0	2.0	1.0	0.5	1.0	10.0	22.0	18.0	28.0	28.0	21.0
9	10.5	8.5	4.0	1.5	0.5	1.0	14.0	25.0	23.0	26.0	29.0	24.0
10	17.5	8.0	3.0	0.5	0.0	1.0	10.0	22.0	18.0	26.0	22.0	25.0
11	18.5	7.5	2.0	0.0	0.0	1.0	11.0	15.0	22.0	24.0	29.0	12.0
12	12.5	5.0	2.0	0.0	0.0	1.5	11.0	22.0	26.0	22.0	29.0	18.0
13	11.0	4.5	2.0	0.5	0.5	1.5	11.0	19.0	28.0	15.0	27.0	17.0
14	9.0	2.5	0.5	0.5	1.0	2.0	11.0	22.0	20.0	28.0	22.0	15.0
15	15.0	0.5	0.5	0.5	1.0	2.0	12.0	24.0	17.0	29.0	22.0	17.0
16	12.0	2.5	0.5	0.0	1.0	2.0	18.0	25.0	24.0	30.0	26.0	19.0
17	10.0	4.0	0.5	0.5	1.0	2.0	16.0	22.0	26.0	29.0	19.0	22.0
18	11.5	5.0	1.0	1.0	1.0	9.0	10.0	19.0	22.0	29.0	28.0	15.0
19	10.0	7.0	1.0	0.5	1.5	7.0	10.0	27.0	26.0	30.0	29.0	13.0
20	11.0	4.5	1.0	1.0	1.5	14.0	8.0	27.0	26.0	20.0	30.0	12.0
21	10.5	4.0	1.0	0.5	1.5	10.5	19.0	25.0	24.0	28.0	30.0	8.0
22	15.0	4.0	1.5	0.5	1.0	10.0	18.0	27.0	20.0	29.0	31.0	15.0
23	13.0	5.0	1.5	1.0	1.0	7.0	20.0	26.0	28.0	29.0	30.0	14.0
24	13.5	5.0	0.5	1.0	1.0	1.0	18.0	25.0	28.0	29.0	22.0	15.0
25	14.0	0.5	0.0	1.0	1.5	2.0	17.0	20.0	30.0	29.0	26.0	15.0
26	10.0	2.5	0.5	1.0	1.0	3.0	18.0	20.0	29.0	25.0	25.0	16.0
27	12.0	2.0	1.0	0.5	1.0	6.0	18.0	19.0	28.0	20.0	28.0	14.0
28	14.0	0.0	1.0	1.0	1.5	3.0	17.0	21.0	27.0	30.0	29.0	12.0
29	14.0	0.0	0.5	1.0	---	1.0	14.0	17.0	24.0	27.0	26.0	16.0
30	13.0	0.5	0.5	1.0	---	7.0	16.0	20.0	32.0	29.0	26.0	14.0
31	12.5	---	0.5	1.0	---	4.0	---	18.0	---	24.0	28.0	---
MONTH	11.5	4.5	1.5	1.0	1.0	3.5	12.5	21.5	24.5	28.0	26.5	17.5

06792000 CEDAR RIVER NEAR FULLERTON, NEBR.

LOCATION.--Lat 41°23'45", long 98°00'15", in NE¼NE¼ sec.4, T.16 N., R.6 W., Nance County, at gaging station at highway bridge, 3 mi (5 km) northwest of Fullerton and 5.8 mi (9.3 km) upstream from mouth.

DRAINAGE AREA.--1,220 mi^2 (3,160 km^2), approximately, of which about 480 mi^2 (1,240 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: September 1957 to October 1959, July 1974 to September 1975.
Water temperatures: July 1974 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 366 micromhos Dec. 9; minimum daily, 209 micromhos July 24.
Water temperatures: Maximum, 36.0°C July 7; minimum, freezing point on many days during December to March.

Period of record:
Specific conductance (1974-75): Maximum daily, 366 micromhos Dec. 9, 1974; minimum daily, 209 micromhos Aug. 21, 1974, July 24, 1975.
Water temperatures: Maximum, 36.0°C July 7, 1975; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 16...	1120	159	42	20	10	35	6.4	6.7	5.9	150
NOV. 05...	1550	360	41	30	0	35	4.5	7.2	6.8	155
DEC. 02...	1425	177	47	20	0	46	7.3	8.1	6.7	186
JAN. 13...	1310	137	53	10	40	50	11	9.2	7.5	213
FEB. 10...	1325	197	46	30	10	35	7.4	8.0	6.6	172
MAR. 10...	1350	322	38	60	0	40	7.0	7.6	6.7	163
APR. 22...	1200	265	35	60	20	39	5.9	8.2	6.3	151
MAY 13...	1245	200	35	80	10	42	7.0	8.3	7.5	169
JUNE 05...	1020	196	30	30	0	37	5.6	8.1	7.1	152
JULY 17...	1415	67	42	40	0	45	8.2	9.5	8.4	187
AUG. 27...	1115	47	37	0	20	42	6.5	9.2	5.2	177
SEP. 15...	1200	136	31	90	30	34	5.9	7.7	7.3	145

DATE	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 16...	0	123	6.6	1.1	.2	.21	.17	179	.24	76.9
NOV. 05...	0	127	6.3	1.6	.2	.25	.20	180	.24	175
DEC. 02...	0	153	7.9	1.7	.2	.46	.20	219	.30	105
JAN. 13...	0	175	9.7	1.5	.2	.49	.17	249	.34	92.1
FEB. 10...	0	141	6.7	1.1	.2	.54	.23	198	.27	110
MAR. 10...	0	134	7.2	1.4	.4	.35	.18	190	.26	134
APR. 22...	0	124	8.8	1.9	.3	.07	.18	180	.24	129
MAY 13...	0	139	8.9	2.0	.3	.04	.22	195	.27	105
JUNE 05...	0	125	9.9	1.4	.3	.02	.19	174	.24	92.1
JULY 17...	0	153	9.3	2.5	.4	.00	.38	218	.30	42.1
AUG. 27...	0	145	8.5	1.9	.3	.05	.14	198	.27	23.8
SEP. 15...	0	119	6.9	1.5	.3	.16	.16	167	.23	61.3

06792000 CEDAR RIVER NEAR FULLERTON, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED OXYGEN (MG/L) (00300)	DIS- SOLVED BORON (B) (UG/L) (01020)
OCT. 16...	110	0	.3	248	7.6	10.5	10	--	30
NOV. 05...	110	0	.3	264	7.8	6.5	10	--	40
DEC. 02...	150	0	.3	307	7.6	.5	5	--	30
JAN. 13...	170	0	.3	344	--	.5	5	--	30
FEB. 10...	120	0	.3	295	7.5	.5	10	--	20
MAR. 10...	130	0	.3	277	7.4	.0	8	--	20
APR. 22...	120	0	.3	260	6.5	13.5	15	--	40
MAY 13...	130	0	.3	295	6.8	17.0	20	--	40
JUNE 05...	120	0	.3	260	7.3	21.0	2	9.3	30
JULY 17...	150	0	.3	332	7.4	29.5	15	--	40
AUG. 27...	130	0	.3	299	7.4	24.5	15	--	20
SEP. 15...	110	0	.3	260	8.9	15.5	30	--	40

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	277	325	281	281	292	265	307	296	301	274	233
2	275	263	298	280	320	262	280	309	295	304	274	251
3	249	261	288	271	301	258	283	343	306	295	308	256
4	259	275	279	285	275	256	286	298	316	300	264	273
5	276	266	261	277	280	286	289	308	272	288	281	257
6	252	287	270	280	299	244	275	310	281	306	298	254
7	257	273	269	284	327	257	291	291	284	298	301	256
8	261	273	303	274	348	269	283	302	254	271	275	242
9	280	271	366	262	318	274	313	298	290	278	293	248
10	264	278	303	262	308	272	294	281	285	283	298	248
11	282	267	285	291	302	273	279	290	278	280	290	254
12	264	274	259	347	313	258	270	294	257	295	294	248
13	260	294	262	354	286	272	270	288	277	286	270	254
14	279	277	280	336	277	281	294	303	272	288	277	248
15	273	265	280	298	262	275	297	314	277	274	290	248
16	273	266	288	281	278	258	286	286	262	296	271	250
17	308	282	274	306	257	258	300	298	279	288	269	244
18	254	273	270	280	286	253	275	298	234	306	258	242
19	249	255	260	272	260	280	272	296	284	258	271	258
20	260	254	275	254	280	275	304	296	282	259	244	262
21	266	250	282	270	254	277	284	301	283	270	250	266
22	284	281	287	241	245	273	280	290	258	261	262	255
23	288	268	274	264	252	268	302	292	250	250	264	263
24	243	283	291	268	268	296	283	275	242	209	262	261
25	246	328	296	255	276	364	306	321	250	227	258	252
26	345	273	325	242	271	316	302	281	267	257	281	253
27	348	262	297	258	256	262	289	305	288	224	296	248
28	273	264	293	267	252	275	304	297	261	255	271	245
29	277	285	284	272	---	274	299	309	266	272	275	251
30	246	303	279	265	---	297	302	296	274	272	283	247
31	262	---	288	274	---	305	---	281	---	272	268	---
MONTH	272	274	287	279	283	276	289	299	274	275	276	252

06792000 CEDAR RIVER NEAR FULLERTON, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	12.0	2.0	0.5	0.0	1.0	0.5	15.0	15.0	30.5	29.0	32.0
2	8.0	12.0	1.0	0.0	0.0	0.0	2.0	15.0	22.0	32.0	30.0	29.5
3	18.0	8.0	1.0	0.5	0.0	1.0	6.0	21.0	28.0	33.0	29.0	23.0
4	20.5	9.5	5.0	0.5	0.0	1.0	12.0	24.5	23.5	33.5	33.0	24.0
5	13.0	10.0	2.5	0.0	0.0	1.0	14.0	25.5	29.0	35.0	32.0	25.0
6	13.5	8.5	1.0	1.5	0.0	2.0	12.0	24.0	26.0	34.5	29.0	24.5
7	14.0	8.5	0.0	0.0	0.0	0.0	6.0	23.0	26.0	36.0	30.0	25.5
8	16.5	9.0	0.0	0.5	0.5	0.0	9.0	22.0	19.0	29.5	30.0	23.5
9	17.5	7.0	0.0	0.5	0.0	0.0	14.0	24.0	23.5	29.0	24.0	27.5
10	20.5	10.0	0.0	0.0	0.0	0.0	9.0	20.0	18.0	29.0	30.5	29.0
11	20.0	8.0	3.5	0.0	2.0	0.0	13.0	20.0	22.0	30.0	31.0	16.5
12	12.5	7.0	1.5	1.5	0.0	5.0	8.0	23.5	26.0	24.0	27.0	20.0
13	14.0	8.5	0.0	0.0	0.0	1.0	9.5	14.0	26.0	29.0	25.0	20.0
14	12.5	7.5	0.0	1.5	0.0	2.0	11.0	23.0	20.0	27.0	27.0	17.0
15	12.5	5.0	0.0	0.5	5.0	0.0	11.0	23.0	25.0	31.5	28.0	20.5
16	15.5	5.0	0.0	0.5	0.0	2.0	20.0	26.5	28.0	28.5	32.0	24.0
17	11.5	5.0	2.0	0.0	0.0	1.0	16.0	22.0	27.0	30.0	29.0	25.0
18	16.0	7.0	0.5	1.5	0.0	2.5	9.5	27.0	18.0	30.0	27.5	19.0
19	14.5	9.0	0.0	0.0	0.0	9.5	12.5	27.5	26.0	29.0	28.5	17.5
20	15.5	9.0	0.0	1.0	0.5	9.0	11.0	30.5	23.0	30.0	29.5	26.0
21	17.0	8.0	0.0	0.0	0.0	10.0	18.0	25.0	23.5	26.5	30.0	18.0
22	16.0	9.5	0.0	0.0	0.0	10.0	17.5	23.0	27.0	28.0	30.0	20.0
23	17.0	4.0	0.0	0.5	0.0	7.0	16.0	24.5	28.5	25.0	32.0	19.5
24	14.5	3.0	0.0	0.0	2.0	0.0	14.0	22.0	29.0	28.0	31.5	19.5
25	14.5	3.5	0.0	0.5	2.0	3.0	23.0	27.5	29.0	28.0	26.5	19.0
26	10.0	4.0	0.0	0.0	2.5	4.0	20.0	26.0	28.0	29.0	19.0	20.0
27	16.0	3.0	0.0	0.0	2.0	5.0	19.0	22.0	31.5	30.0	21.0	18.0
28	15.5	1.0	0.5	0.0	2.0	2.5	17.0	21.0	29.0	31.0	30.0	19.0
29	16.5	0.5	0.0	0.0	---	1.5	17.5	18.0	31.0	32.0	30.0	15.5
30	14.0	0.5	0.5	0.0	---	8.0	16.5	17.0	30.0	30.0	25.0	18.0
31	14.0	---	1.0	0.0	---	7.0	---	20.0	---	27.5	30.0	---
MONTH	15.0	7.0	0.5	0.5	0.5	3.0	13.0	22.5	25.5	30.0	28.5	22.0

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.
(National stream-quality accounting network station)

LOCATION.--Lat 41°23'31", long 97°49'20", in NE¼NW¼ sec.6, T.16 N., R.4 W., Nance County, at diversion structure, 2 mi (3.2 km) upstream from gaging station and 5.5 mi (8.8 km) southwest of Genoa.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1975.
Water temperatures: October 1972 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 350 micromhos July 17; minimum daily, 226 micromhos Oct. 30.
Water temperatures: Maximum, 32.0°C July 4, 6, 19; minimum, freezing point on many days during November to April.

Period of record:
Specific conductance: maximum daily, 444 micromhos Dec. 11, 1972; minimum daily, 219 micromhos Dec. 29, 1972.
Water temperatures: Maximum, 35.5°C July 21, 1974; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)
NOV. 07...	1530	1580	51	--	80	--	--	50	38	5.0
DEC. 05...	1530	1560	53	1300	30	100	0	120	39	6.1
JAN. 09...	1300	640	54	--	40	--	--	10	35	5.5
FEB. 20...	1430	1930	52	--	--	--	--	--	34	5.6
MAR. 12...	1500	1990	45	1100	30	20	10	10	37	6.4
APR. 23...	1500	2460	43	--	--	--	--	--	34	6.4
MAY 14...	1430	1870	42	--	--	--	--	--	35	5.7
JUNE 05...	1340	1470	38	15000	160	450	450	0	32	5.2
JULY 17...	1600	365	50	--	--	--	--	--	49	8.7
AUG. 27...	1530	460	48	--	--	--	--	--	42	5.6
SEP. 15...	1530	946	42	3600	60	580	580	0	37	6.5

DATE	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)
NOV. 07...	9.1	6.7	152	0	125	9.4	2.3	.3	.54
DEC. 05...	10	6.5	157	0	129	9.9	2.2	.3	.65
JAN. 09...	8.3	6.2	153	0	125	9.9	2.4	.3	.65
FEB. 20...	9.5	6.5	150	0	123	13	2.5	.3	.55
MAR. 12...	8.9	6.6	150	0	123	11	1.6	.4	.65
APR. 23...	11	7.5	151	0	124	10	2.6	.3	.44
MAY 14...	8.5	7.8	153	0	126	15	3.3	.3	.00
JUNE 05...	8.9	8.5	144	0	118	8.5	1.4	.3	.02
JULY 17...	11	9.8	201	0	165	14	3.5	.4	.02
AUG. 27...	11	8.6	184	0	151	10	2.4	.3	.03
SEP. 15...	9.0	7.8	159	0	144	7.9	1.4	.3	.01

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
NOV. 07...	.60	1.1	.23	202	197	.27	862	120	0
DEC. 05...	.34	.99	.24	197	205	.27	867	120	0
JAN. 09...	.43	1.1	.30	196	197	.27	471	110	0
FEB. 20...	.35	.90	.18	203	197	.28	1040	110	0
MAR. 12...	.28	.93	.19	198	191	.27	1010	120	0
APR. 23...	1.2	1.6	.40	193	189	.26	1280	110	0
MAY 14...	.73	.73	.29	199	193	.27	1010	110	0
JUNE 05...	.21	.23	.38	176	174	.24	699	100	0
JULY 17...	.91	.93	.34	247	246	.34	243	160	0
AUG. 27...	.25	.28	.31	225	219	.31	279	130	0
SEP. 15...	1.3	1.3	.28	196	198	.27	513	120	0

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV. 07...	.4	269	8.2	9.0	20	--	40	156	--
DEC. 05...	.4	266	7.5	1.0	20	--	10	200	--
JAN. 09...	.3	270	8.2	.5	20	--	42	100	2.2
FEB. 20...	.4	268	8.0	.2	20	--	87	56	--
MAR. 12...	.4	264	7.5	.0	15	--	14	132	.8
APR. 23...	.5	269	6.8	15.0	60	10.0	760	920	--
MAY 14...	.4	275	6.8	21.0	35	10.6	6900	112	--
JUNE 05...	.4	258	7.5	25.5	180	9.4	2100	660	12
JULY 17...	.4	346	7.4	29.5	25	--	44	33	--
AUG. 27...	.4	305	8.6	30.0	33	--	70	92	--
SEP. 15...	.4	272	--	16.0	20	--	--	--	--

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	SUSPENDED ARSENIC (AS) (UG/L) (01001)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	TOTAL CADMIUM (CD) (UG/L) (01027)	SUSPENDED CADMIUM (CD) (UG/L) (01026)	DISSOLVED CADMIUM (CD) (UG/L) (01025)	TOTAL CHROMIUM (CR) (UG/L) (01034)	SUSPENDED CHROMIUM (CR) (UG/L) (01031)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)
DEC. 05...	7	0	7	10	9	1	10	0	<10
MAR. 12...	4	0	4	<10	<9	1	40	40	0
JUNE 05...	17	9	8	<10	<6	4	20	20	0
SEP. 15...	8	3	5	<10	<10	0	0	0	0

DATE	TOTAL COBALT (CO) (UG/L) (01037)	SUSPENDED COBALT (CO) (UG/L) (01036)	DISSOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUSPENDED COPPER (CU) (UG/L) (01041)	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUSPENDED LEAD (PB) (UG/L) (01050)	DISSOLVED LEAD (PB) (UG/L) (01049)
DEC. 05...	<50	<50	0	40	39	1	<100	<98	2
MAR. 12...	<50	<50	0	20	10	10	<100	<100	0
JUNE 05...	<50	<50	0	20	11	9	<100	<96	4
SEP. 15...	<50	<50	0	70	67	3	<100	<98	2

DATE	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELENIUM (SE) (UG/L) (01147)	SUSPENDED SELENIUM (SE) (UG/L) (01146)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	TOTAL ZINC (ZN) (UG/L) (01092)	SUSPENDED ZINC (ZN) (UG/L) (01091)	DISSOLVED ZINC (ZN) (UG/L) (01090)
DEC. 05...	.1	.0	<.1	1	0	1	160	140	20
MAR. 12...	.2	.2	.0	1	0	1	40	10	30
JUNE 05...	.1	.1	.0	1	0	1	60	40	20
SEP. 15...	.7	.5	.2	1	0	1	60	60	0

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	263	276	272	278	234	275	283	284	335	331	310
2	268	260	272	272	279	232	254	284	287	275	328	308
3	256	255	268	283	285	226	254	279	279	275	348	[illegible]
4	255	256	263	272	271	229	253	272	281	281	299	291
5	254	255	255	275	269	228	252	280	271	280	283	296
6	254	259	246	281	281	239	256	285	271	298	287	292
7	256	266	239	280	294	229	249	290	270	301	311	290
8	265	268	276	271	314	238	247	291	280	303	328	285
9	256	258	258	264	315	246	260	285	255	306	328	279
10	256	256	264	274	315	255	263	282	271	313	336	297
11	256	257	260	276	310	254	254	274	264	323	337	278
12	258	254	251	312	316	265	254	284	268	332	340	278
13	254	253	244	314	314	260	256	266	266	338	325	274
14	257	256	238	336	290	263	254	264	270	338	324	274
15	257	256	244	335	281	245	260	272	274	337	311	274
16	261	252	249	333	276	236	272	273	277	348	315	269
17	259	255	254	338	275	228	278	273	277	350	310	267
18	262	252	259	323	267	229	272	277	283	339	330	271
19	258	253	259	316	266	235	274	279	252	338	297	270
20	267	251	263	296	264	247	274	277	248	310	286	271
21	261	246	256	280	256	247	274	279	265	300	306	272
22	262	248	256	273	255	250	270	272	230	305	310	272
23	262	255	255	258	251	254	273	270	243	283	313	270
24	265	248	261	251	251	257	274	276	256	287	314	270
25	249	248	269	249	251	266	278	282	251	240	314	266
26	260	254	289	246	250	266	290	282	262	240	303	267
27	263	250	271	256	241	263	253	282	264	278	311	265
28	266	248	289	256	282	264	285	276	273	265	313	260
29	242	266	283	273	---	253	279	269	262	288	308	256
30	226	273	277	261	---	262	278	282	268	298	310	255
31	240	---	281	265	---	281	---	279	---	312	312	---
MONTH	257	256	262	284	278	248	265	278	267	304	315	277

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	13.5	0.0	0.0	0.0	0.0	0.0	14.5	19.5	30.5	28.5	27.0
2	13.5	11.5	0.0	0.0	0.0	0.0	0.0	14.5	22.0	30.5	26.5	28.5
3	16.0	9.0	0.0	0.0	0.0	0.0	1.5	18.5	24.0	31.0	28.0	20.0
4	19.0	9.0	0.5	0.0	0.0	0.0	6.0	23.0	25.0	32.0	29.5	18.5
5	14.0	6.5	0.5	0.0	0.0	0.0	11.0	23.0	24.0	26.0	29.0	23.5
6	10.5	7.0	0.5	0.0	0.0	0.0	10.5	22.0	25.5	31.5	26.5	24.5
7	12.0	8.5	0.5	0.0	0.0	0.0	7.0	20.0	26.0	32.0	27.0	19.5
8	15.5	8.5	0.0	0.0	0.0	0.0	7.0	21.5	18.5	29.0	27.0	22.0
9	16.5	9.0	0.0	0.0	0.0	0.0	13.0	21.5	21.5	29.0	31.0	25.5
10	19.5	10.5	0.0	0.0	0.0	0.0	8.5	21.5	19.5	28.5	26.5	27.0
11	19.0	8.0	0.0	0.0	0.0	0.0	10.5	19.0	21.5	26.5	28.5	16.0
12	12.0	6.0	0.0	0.0	0.0	0.0	11.5	21.5	24.0	25.0	29.5	19.0
13	11.5	4.0	0.5	0.0	0.0	0.0	10.0	18.5	26.0	27.0	24.5	16.0
14	13.0	3.5	0.0	0.0	0.0	0.0	10.0	18.5	22.0	29.0	23.0	16.5
15	12.0	4.5	0.0	0.0	0.0	0.0	10.0	19.0	21.5	29.0	27.0	16.5
16	14.5	5.5	0.0	0.0	0.0	0.0	16.0	18.0	26.0	30.0	22.0	20.5
17	16.0	6.5	0.0	0.0	0.0	0.0	15.0	24.0	25.0	29.0	25.0	23.0
18	15.5	6.0	0.0	0.0	0.0	0.5	9.0	26.0	19.5	31.0	28.5	17.0
19	14.5	8.5	0.0	0.0	0.0	1.5	11.5	26.5	24.0	32.0	30.0	16.0
20	14.0	7.0	0.0	0.0	0.0	10.0	11.0	26.0	27.0	31.5	29.0	15.5
21	15.0	7.0	0.0	0.0	0.0	10.5	14.5	23.0	25.0	25.5	31.0	14.5
22	15.0	8.5	0.0	0.0	0.0	9.5	16.0	24.0	23.5	29.5	31.5	17.0
23	16.0	5.0	0.0	0.0	0.0	6.5	17.0	24.5	25.5	29.5	31.5	18.0
24	18.0	4.0	0.0	0.0	0.0	0.5	16.0	24.5	24.5	29.0	31.5	16.5
25	13.5	3.0	0.0	0.0	0.0	0.0	20.0	20.5	28.5	28.5	26.5	18.0
26	15.0	4.0	0.0	0.0	0.0	0.0	19.0	19.0	28.0	29.0	26.0	18.0
27	15.5	3.5	0.0	0.0	0.0	4.0	18.0	21.0	25.0	30.0	28.5	16.5
28	[illegible]	1.0	0.0	0.0	0.0	3.0	14.5	20.5	29.5	31.0	25.5	17.0
29	[illegible]	0.0	0.0	0.0	---	0.5	15.5	18.0	30.0	31.5	30.0	18.5
30	[illegible]	0.0	0.0	0.0	---	4.5	10.0	18.5	25.0	30.0	25.5	18.0
31	[illegible]	---	0.0	0.0	---	6.0	---	15.5	---	24.0	29.5	---
MONTH	[illegible]	6.5	0.0	0.0	0.0	2.0	11.5	21.0	24.0	29.5	28.0	19.5

06792499 LOUP RIVER POWER CANAL AT DIVERSION NEAR GENOA, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
NOV.									
07...	1530	9.0	1550	78	326	--	--	--	--
FEB.									
20...	1530	.2	1940	66	346	81	--	--	--
APR.									
23...	1245	15.0	2670	329	2370	76	89	96	100
MAY									
14...	1430	21.0	1870	120	606	--	--	--	--

BIOLOGICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TOTAL COUNT CELLS/ML (60050)	DOMINANT GENERA (Greater than or equal to 15 percent)	PERCENT COMPOSITION	ALGAL GROUP
NOV.				
07...	13,000	OSCILLATORIA	54	Blue-green
DEC.				
05...	3,300	FRAGILARIA	28	Diatom
		NAVICULA	18	Diatom
		NITZSCHIA	17	Diatom
JAN.				
09...	3,600	FRAGILARIA	55	Diatom
		NAVICULA	17	Diatom
FEB.				
20...	3,100	NAVICULA	30	Diatom
		FRAGILARIA	15	Diatom
		PEDIASTRUM	15	Green
MAR.				
12...	2,100	EUNOTIA	37	Diatom
		NITZSCHIA	16	Diatom
APR.				
23...	25,000	CYCLOTELLA	21	Diatom
		ANACYSTIS	19	Blue-green
		NAVICULA	16	Diatom
		ANKISTRODESMUS	15	Green
MAY				
14...	77,000	CYCLOTELLA	33	Diatom
		FRAGILARIA	20	Diatom
		SCENEDESMUS	19	Green
		DICTYOSPHAERIUM	18	Green
JUNE				
05...	110,000	ANKISTRODESMUS	22	Green
		ANACYSTIS	20	Blue-green
		CYCLOTELLA	16	Diatom
		PEDIASTRUM	16	Green
JULY				
17...	120,000	SCENEDESMUS	30	Green
		NITZSCHIA	28	Diatom
		AGMENELLUM	21	Blue-green
AUG.				
27...	220,000	SCENEDESMUS	40	Green
		AGMENELLUM	16	Blue-green
SEP.				
15...	77,000	SCENEDESMUS	30	Green
		CYCLOTELLA	17	Diatom

PERIPHYTON

DATE	EXPOSURE TIME, DAYS	BIOMASS ASH WEIGHT G/M^2 (00572)	BIOMASS DRY WEIGHT G/M^2 (00573)	UNCORRECTED PERIPHYTON CHLOROPHYLL B MG/M^2 (32226)	UNCORRECTED PERIPHYTON CHLOROPHYLL A MG/M^2 (32228)
DEC.					
05...	28	.80	---	.3	.3

06793600 BEAVER CREEK NEAR ALBION, NEBR.

LOCATION.--Lat 41°41'00", long 97°58'25", in NW¼NW¼NE¼ sec.26, T.20 N., R.6 W., Boone County, at bridge on county road 0.8 mi (1.3 km) east and 0.6 mi (1.0 km) southeast of junction of highways 14, 39, and 91 at east edge of Albion.

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 24...	1215	47	--	--	--	--	--	--	--	--	--
NOV. 07...	1150	48	43	50	60	35	4.5	8.9	7.0	147	0
DEC. 05...	1315	49	--	--	--	--	--	--	--	--	--
JAN. 09...	0930	56	--	--	--	--	--	--	--	--	--
FEB. 21...	1000	65	--	--	--	--	--	--	--	--	--
MAR. 13...	1000	45	41	30	10	32	6.1	7.1	6.9	141	0
APR. 21...	1320	155	--	--	--	--	--	--	--	--	--
MAY 12...	1350	90	--	--	--	--	--	--	--	--	--
JUNE 02...	1320	51	30	150	10	34	5.9	7.2	8.3	146	0
JULY 14...	1220	24	--	--	--	--	--	--	--	--	--
AUG. 25...	1210	31	--	--	--	--	--	--	--	--	--
SEP. 17...	1230	40	33	40	10	32	4.3	7.1	6.9	130	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 24...	--	--	1.6	--	.09	.07	.37	.62	.99	1.1
NOV. 07...	121	6.2	2.4	.3	.27	.28	.08	.76	.84	1.1
DEC. 05...	--	--	2.8	--	.39	.38	.18	.41	.59	.98
JAN. 09...	--	--	2.2	--	.33	.35	.18	.28	.46	.79
FEB. 21...	--	--	3.2	--	.65	.50	.16	.40	.56	1.2
MAR. 13...	116	6.4	2.5	.3	.53	.36	.13	.71	.84	1.4
APR. 21...	--	--	3.8	--	.37	.32	.33	3.8	4.1	4.5
MAY 12...	--	--	2.6	--	.15	.12	.09	1.5	1.6	1.8
JUNE 02...	120	4.7	2.0	.3	.07	.07	.14	.61	.75	.82
JULY 14...	--	--	2.8	--	.26	--	.34	1.3	1.6	1.9
AUG. 25...	--	--	1.8	--	.17	--	.00	1.2	1.2	1.4
SEP. 17...	107	5.0	2.7	.2	.17	--	.07	.92	.99	1.2

06793600 BEAVER CREEK NEAR ALBION, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 24...	.85	.55	160	--	.22	20.3	--	--	--	253
NOV. 07...	.78	.43	--	181	.25	23.5	110	0	.4	243
DEC. 05...	.33	.03	177	--	.24	23.4	--	--	--	237
JAN. 09...	.37	.31	166	--	.23	25.1	--	--	--	222
FEB. 21...	.32	.32	184	--	.25	32.3	--	--	--	250
MAR. 13...	.37	.27	--	174	.24	21.1	110	0	.3	269
APR. 21...	1.1	.51	213	--	.29	89.1	--	--	--	250
MAY 12...	.56	.32	165	--	.22	40.1	--	--	--	225
JUNE 02...	.47	.36	--	165	.22	22.7	110	0	.3	246
JULY 14...	.80	.54	202	--	.27	13.1	--	--	--	269
AUG. 25...	.85	.62	168	--	.23	14.1	--	--	--	247
SEP. 17...	.49	.35	--	155	.21	16.7	98	0	.3	224

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 24...	7.9	15.0	--	20	9.8	3.6	14800	9400	--	--
NOV. 07...	8.5	5.0	10	15	11.2	1.6	10	56	--	50
DEC. 05...	7.5	1.0	--	15	14.0	1.7	10	140	--	--
JAN. 09...	7.6	.0	--	15	12.2	6.4	31	40	--	--
FEB. 21...	7.9	.2	--	10	11.1	1.5	<3	361	--	--
MAR. 13...	7.4	.0	10	20	14.0	2.0	7	68	4	20
APR. 21...	7.6	12.0	--	150	10.0	7.8	15000	42000	--	--
MAY 12...	7.6	20.5	--	65	9.0	2.7	3400	1800	--	--
JUNE 02...	7.8	22.5	8	30	9.1	--	540	310	--	10
JULY 14...	8.0	27.0	--	40	8.6	5.4	1500	620	--	--
AUG. 25...	7.9	23.5	--	40	8.7	4.4	700	100	--	--
SEP. 17...	7.7	19.0	24	35	9.2	--	350	270	13	30

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 24...	--	--	--	--	--	--	--	--	--	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--
DEC. 05...	--	--	--	--	--	--	--	--	--	--
JAN. 09...	--	--	--	--	--	--	--	--	--	--
FEB. 21...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	0	0	20	1	.1	.1	.0	1	0	30
APR. 21...	--	--	--	--	--	--	--	--	--	--
MAY 12...	--	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--	--
JULY 14...	--	--	--	--	--	--	--	--	--	--
AUG. 25...	--	--	--	--	--	--	--	--	--	--
SEP. 17...	0	10	2	1	.0	.0	.0	0	0	0

06796000 PLATTE RIVER AT NORTH BEND, NEBR.
(National stream-quality accounting network station)

LOCATION.--Lat 41°27'10", long 96°45'50", in SE¼ sec.7, T.17 N., R.6 E., Dodge County, at gaging station on State Highway 79, 1 mi (1.6 km) south of North Bend.

DRAINAGE AREA.--81,100 mi^2 (210,000 km^2), approximately, of which about 63,300 mi^2 (163,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1975.
Water temperatures: October 1972 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 29.5°C several days in July; minimum, freezing point Feb. 3, 4, 5.

Period of record:
Specific conductance: Maximum daily, 790 micromhos June 25, 1973; minimum daily, 221 micromhos Oct. 2, 1973.
Water temperatures: Maximum, 29.5°C several days in July 1975; minimum, freezing point on many days during November to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)
OCT. 23...	1500	2900	44	--	0	--	--	0	42	8.3	22	7.1
NOV. 08...	1020	3020	41	--	80	--	--	0	49	8.8	28	8.1
DEC. 06...	1015	3500	39	4400	70	290	260	30	48	11	30	7.3
JAN. 09...	1530	2980	42	--	20	--	--	0	50	12	32	8.2
FEB. 20...	1045	3700	42	--	40	--	--	0	54	12	36	8.1
MAR. 13...	1600	4990	36	980	10	40	40	0	50	13	33	7.9
20...	1200	7370	31	6300	110	330	320	10	44	13	32	7.6
APR. 25...	1200	4160	32	--	40	--	--	0	57	13	37	9.1
MAY 14...	1130	3740	30	--	60	--	--	10	50	14	35	9.4
JUNE 09...	1330	3230	27	8000	10	370	370	0	47	11	30	9.5
20...	1300	10400	21	82000	160	1900	--	0	36	8.1	21	9.6
JULY 09...	1145	1890	35	--	0	--	--	0	52	14	35	9.9
29...	1230	998	26	--	370	--	--	10	52	11	38	17
AUG. 28...	1130	304	37	--	20	--	--	20	48	10	19	9.4
SEP. 26...	1130	1450	37	2500	10	180	170	10	50	12	29	9.1

DATE	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED ORGANIC NITROGEN (N) (MG/L) (00607)
OCT. 23...	173	0	142	46	8.0	.3	.19	--	.20	--	1.1	--
NOV. 08...	172	0	141	55	8.6	.4	.48	--	.05	--	.73	--
DEC. 06...	179	0	147	65	9.0	.3	.61	--	--	--	--	--
JAN. 09...	189	0	155	76	11	.3	.67	--	.14	--	.59	--
FEB. 20...	195	0	160	92	13	.4	1.0	.88	.10	--	.32	--
MAR. 13...	179	0	147	84	11	.4	.77	.71	.05	.02	.35	.14
20...	156	0	128	79	11	.4	.71	.68	.09	.03	1.3	.43
APR. 25...	191	0	157	92	14	.4	.62	.57	.00	--	1.3	--
MAY 14...	181	0	148	88	13	.4	.00	.00	.01	--	1.4	--
JUNE 09...	167	0	137	81	11	.3	.01	.00	.00	.00	1.3	.05
20...	134	0	110	57	8.1	.3	2.1	.58	.00	.11	4.7	.70
JULY 09...	179	0	147	100	24	.5	.02	--	.02	--	1.5	--
29...	183	0	150	98	16	.5	.05	--	.03	--	1.7	--
AUG. 28...	196	0	161	39	7.7	.3	.25	--	.00	--	.84	--
SEP. 26...	184	0	151	66	10	.4	.01	.01	.03	.00	1.3	.38

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L) (00624)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)
OCT. 23...	1.3	--	--	1.5	--	--	267	263	.36	2090	140
NOV. 08...	.78	--	--	1.3	.22	.25	294	284	.40	2400	160
DEC. 06...	1.1	--	--	1.7	.37	--	303	298	.41	2450	170
JAN. 09...	.73	--	--	1.4	.26	.17	334	325	.45	2690	170
FEB. 20...	.42	--	--	1.4	.16	.12	--	358	.49	3580	180
MAR. 13...	.40	.24	.16	1.2	.18	.11	335	327	.46	4510	180
20...	1.4	.94	.46	2.1	.30	.18	--	298	.41	5930	160
APR. 25...	1.3	--	--	1.9	.39	.14	359	351	.49	4030	200
MAY 14...	1.4	--	--	1.4	.25	.07	336	329	.46	3390	180
JUNE 09...	1.3	1.3	.05	1.3	.19	.08	299	299	.41	2610	160
20...	4.7	3.9	.81	6.8	.66	.18	238	230	.32	6680	120
JULY 09...	1.5	--	--	1.5	.34	.16	--	359	.49	1830	190
29...	1.7	--	--	1.8	.38	.17	--	349	.47	940	180
AUG. 28...	.84	--	--	1.1	.28	.24	--	267	.36	219	160
SEP. 26...	1.3	.92	.38	1.3	.24	.07	--	304	.41	1190	170

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT. 23...	0	.8	373	7.9	11.0	5	25	9.5	--	10	300
NOV. 08...	19	1.0	429	7.6	8.0	5	25	--	--	1.8	300
DEC. 06...	23	1.0	739	7.5	1.0	--	60	12.4	--	3.2	370
JAN. 09...	15	1.1	490	7.8	.5	8	30	14.0	--	6.4	200
FEB. 20...	20	1.2	530	7.9	.2	5	10	12.8	--	1.9	100
MAR. 13...	32	1.1	486	7.3	1.0	3	25	12.8	12	6.2	5
20...	35	1.1	445	7.5	4.0	20	250	12.2	54	5.0	662
APR. 25...	39	1.2	518	7.4	17.5	15	75	10.1	--	3.1	410
MAY 14...	34	1.1	499	7.8	21.0	25	45	10.2	--	4.7	160
JUNE 09...	26	1.0	469	7.2	20.0	8	100	8.9	--	6.3	350
20...	13	.8	362	7.3	25.5	65	780	7.3	--	5.8	113000
JULY 09...	41	1.1	531	7.8	28.5	20	--	--	--	5.4	--
29...	25	1.3	538	7.2	29.0	25	90	9.9	--	--	333
AUG. 28...	0	.7	396	7.8	24.5	15	15	8.8	--	2.8	127
SEP. 26...	23	1.0	458	7.4	10.0	6	30	10.7	23	--	28

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	DIS-SOLVED ALDRIN (UG/L) (39331)	SUS-PENDED ALDRIN (UG/L) (39332)	DIS-SOLVED CHLOR-DANE (UG/L) (39352)	SUS-PENDED CHLOR-DANE (UG/L) (39353)	DIS-SOLVED DDD (UG/L) (39361)	SUS-PENDED DDD (UG/L) (39362)	DIS-SOLVED DDE (UG/L) (39366)	SUS-PENDED DDE (UG/L) (39367)	DIS-SOLVED DDT (UG/L) (39371)
OCT.											
23...	100	--	--	--	--	--	--	--	--	--	--
NOV.											
08...	132	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	260	--	--	--	--	--	--	--	--	--	--
JAN.											
09...	128	--	--	--	--	--	--	--	--	--	--
FEB.											
20...	50	--	--	--	--	--	--	--	--	--	--
MAR.											
13...	52	1.2	--	--	--	--	--	--	--	--	--
20...	420	--	.00	.00	.0	.0	.00	.00	.00	.00	.00
APR.											
25...	176	--	--	--	--	--	--	--	--	--	--
MAY											
14...	83	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	740	6.9	--	--	--	--	--	--	--	--	--
20...	6600	35	.00	.00	.0	.0	.00	.00	.00	.01	.00
JULY											
09...	--	--	--	--	--	--	--	--	--	--	--
29...	360	--	--	--	--	--	--	--	--	--	--
AUG.											
28...	208	--	--	--	--	--	--	--	--	--	--
SEP.											
26...	44	16	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED DDT (UG/L) (39372)	DIS-SOLVED DI-AZINON (UG/L) (39572)	SUS-PENDED DI-AZINON (UG/L) (39573)	DIS-SOLVED DI-ELDRIN (UG/L) (39381)	SUS-PENDED DI-ELDRIN (UG/L) (39382)	DIS-SOLVED ENDRIN (UG/L) (39391)	SUS-PENDED ENDRIN (UG/L) (39392)	DIS-SOLVED HEPTA-CHLOR (UG/L) (39411)	SUS-PENDED HEPTA-CHLOR (UG/L) (39412)	DIS-SOLVED HEPTA-CHLOR EPOXIDE (UG/L) (39421)	SUS-PENDED HEPTA-CHLOR EPOXIDE (UG/L) (39422)	DIS-SOLVED LINDANE (UG/L) (39341)
OCT.												
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
13...	--	--	--	--	--	--	--	--	--	--	--	--
20...	.00	.00	--	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR.												
25...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	--	--	--	--	--	--	--	--	--	--	--	--
20...	.02	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
JULY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
26...	--	--	--	--	--	--	--	--	--	--	--	--

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUS-PENDED LINDANE (UG/L) (39342)	DIS-SOLVED MALA-THION (UG/L) (39532)	SUS-PENDED MALA-THION (UG/L) (39533)	DIS-SOLVED METHYL PARA-THION (UG/L) (39602)	SUS-PENDED METHYL PARA-THION (UG/L) (39603)	DIS-SOLVED PARA-THION (UG/L) (39542)	SUS-PENDED PARA-THION (UG/L) (39543)	DIS-SOLVED PCB (UG/L) (39517)	SUS-PENDED PCB (UG/L) (39518)	DIS-SOLVED TOX-APHENE (UG/L) (39401)	SUS-PENDED TOX-APHENE (UG/L) (39402)	DIS-SOLVED 2,4-D (UG/L) (39732)
OCT.												
23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
13...	--	--	--	--	--	--	--	--	--	--	--	--
20...	.00	.00	--	.00	--	.00	--	.0	.0	0	0	.00
APR.												
25...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	--	--	--	--	--	--	--	--	--	--	--	--
20...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	--	.18
JULY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
26...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED 2,4-D (UG/L) (39733)	DIS-SOLVED 2,4,5-T (UG/L) (39742)	SUS-PENDED 2,4,5-T (UG/L) (39743)	DIS-SOLVED SILVEX (UG/L) (39762)	SUS-PENDED SILVEX (UG/L) (39763)	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS-PENDED ARSENIC (AS) (UG/L) (01001)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	SUS-PENDED CAD-MIUM (CD) (UG/L) (01026)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)
OCT.												
23...	--	--	--	--	--	--	--	--	120	--	--	--
NOV.												
08...	--	--	--	--	--	--	--	--	80	--	--	--
DEC.												
06...	--	--	--	--	--	11	5	6	--	10	9	1
JAN.												
09...	--	--	--	--	--	--	--	--	60	--	--	--
FEB.												
20...	--	--	--	--	--	--	--	--	70	--	--	--
MAR.												
13...	--	--	--	--	--	4	2	2	50	<10	<10	0
20...	.00	.00	.00	.00	.00	4	0	6	60	<10	<10	0
APR.												
25...	--	--	--	--	--	--	--	--	70	--	--	--
MAY												
14...	--	--	--	--	--	--	--	--	80	--	--	--
JUNE												
09...	--	--	--	--	--	10	4	6	60	<10	<9	1
20...	--	.00	--	.00	--	62	60	2	50	<10	<10	0
JULY												
09...	--	--	--	--	--	--	--	--	80	--	--	--
29...	--	--	--	--	--	--	--	--	80	--	--	--
AUG.												
28...	--	--	--	--	--	--	--	--	60	--	--	--
SEP.												
26...	--	--	--	--	--	8	0	8	70	<10	<9	1

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	SUS-PENDED CHRO-MIUM (CR) (UG/L) (01031)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	SUS-PENDED COBALT (CO) (UG/L) (01036)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS-PENDED COPPER (CU) (UG/L) (01041)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS-PENDED LEAD (PB) (UG/L) (01050)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--
NOV. 08...	--	--	--	--	--	--	--	--	--	--	--
DEC. 06...	<10	0	<10	<50	<50	0	40	37	3	100	98
JAN. 09...	--	--	--	--	--	--	--	--	--	--	--
FEB. 20...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	15	15	0	<50	<50	0	<10	<4	6	<100	<100
20...	20	20	0	<50	<49	1	10	2	8	<100	<98
APR. 25...	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	20	20	0	<50	<50	0	20	16	4	<100	<98
20...	70	70	0	<50	<50	0	70	56	14	<100	<100
JULY 09...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
AUG. 28...	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	10	0	10	<50	<50	0	10	8	2	<100	<98

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	SUS-PENDED SELE-NIUM (SE) (UG/L) (01146)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS-PENDED ZINC (ZN) (UG/L) (01091)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--
NOV. 08...	--	--	--	--	--	--	--	--	--	--	--
DEC. 06...	2	.1	.0	<.1	1	0	1	--	380	40	340
JAN. 09...	--	--	--	--	--	--	--	--	--	--	--
FEB. 20...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	0	.7	.6	.1	2	0	2	0	90	60	30
20...	2	.1	.1	.0	2	1	1	1	40	30	7
APR. 25...	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	2	.1	.1	.0	1	0	1	0	60	60	0
20...	0	.2	.1	.1	2	1	1	0	270	270	0
JULY 09...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
AUG. 28...	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	2	.1	.1	.0	1	0	1	0	20	10	10

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	553	523	427	563	506	592	459	650	514	377	527
2	503	582	517	392	560	513	596	462	656	514	379	522
3	546	553	520	415	562	513	603	462	645	514	378	522
4	500	516	517	414	562	513	600	458	645	511	380	521
5	501	524	521	407	570	509	602	458	522	513	380	521
6	579	545	473	418	565	512	602	460	518	514	376	522
7	590	565	498	419	562	511	600	472	525	512	379	521
8	516	518	473	417	564	510	601	460	524	514	376	520
9	562	571	392	421	563	510	596	459	694	523	381	521
10	602	526	426	421	567	504	609	460	697	518	380	520
11	568	546	477	420	568	509	601	460	718	514	377	521
12	588	528	521	424	563	511	605	459	705	513	377	522
13	474	519	525	422	564	512	593	458	699	511	380	522
14	533	537	520	419	564	514	598	460	737	526	383	527
15	537	546	523	417	562	514	606	459	707	515	377	522
16	538	500	523	419	568	512	607	457	698	514	379	522
17	556	495	522	424	561	516	599	460	693	513	380	522
18	608	540	522	438	567	513	599	459	693	514	381	521
19	588	547	522	421	422	512	601	460	696	514	380	521
20	621	502	523	423	422	512	596	459	699	514	380	519
21	622	484	524	423	424	512	599	459	701	515	377	520
22	552	514	523	424	427	510	599	459	703	515	384	521
23	630	453	525	425	427	511	599	461	700	514	380	521
24	630	499	522	424	425	516	604	461	700	514	378	521
25	552	499	521	422	426	516	601	459	525	519	379	521
26	548	507	524	423	428	511	610	462	520	516	380	521
27	512	462	524	427	525	515	600	463	609	515	376	521
28	517	457	523	424	428	513	602	458	517	525	381	529
29	502	480	524	427	---	511	600	460	410	515	380	528
30	539	478	524	424	---	513	604	462	522	515	379	519
31	533	---	525	423	---	513	---	462	---	517	378	---
MONTH	553	518	510	421	518	512	601	460	634	515	379	522

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	10.0	2.0	1.0	0.5	5.0	9.5	20.5	26.0	28.5	28.0	23.0
2	5.0	10.0	1.5	1.0	0.5	5.0	9.5	20.5	26.5	28.5	28.5	23.5
3	5.0	5.0	2.0	1.0	0.5	5.0	9.5	20.5	26.5	28.5	29.0	23.5
4	10.0	5.0	1.5	1.5	0.0	5.5	10.0	21.0	26.0	28.5	29.0	23.0
5	10.0	6.5	1.5	1.5	0.0	5.5	10.0	21.0	26.0	28.0	29.0	23.0
6	5.0	4.5	1.5	1.5	0.0	5.0	10.5	21.0	26.0	28.0	28.5	22.5
7	5.0	5.5	1.5	1.5	0.5	5.0	11.0	21.0	26.0	28.0	29.0	22.5
8	5.0	4.5	1.0	1.0	0.5	5.5	11.0	21.5	26.0	28.0	28.5	22.5
9	5.0	5.5	1.5	1.5	1.0	5.5	12.0	21.5	26.0	28.5	28.5	22.0
10	10.0	5.0	0.5	2.0	1.0	5.5	12.5	22.5	26.0	28.5	28.5	22.0
11	10.0	5.0	0.5	2.0	1.0	5.0	13.0	22.5	26.5	28.5	28.5	22.0
12	10.0	4.5	0.5	2.0	1.5	5.5	13.5	23.0	26.5	29.0	28.0	22.0
13	10.0	5.0	1.5	1.5	1.5	6.0	14.0	23.0	26.0	29.0	28.0	22.0
14	10.0	4.5	2.0	1.5	1.5	6.0	15.0	23.5	26.0	29.0	28.0	21.5
15	10.0	1.0	1.5	1.5	1.5	6.5	17.0	23.5	26.0	29.0	27.5	21.5
16	10.0	3.5	1.5	1.5	1.0	7.0	18.0	24.0	26.0	29.5	27.5	21.5
17	10.0	4.0	1.5	2.0	1.0	7.5	18.0	24.0	26.0	29.5	28.0	20.0
18	10.0	6.5	1.0	2.0	1.0	7.5	18.0	24.0	26.5	29.5	27.5	20.0
19	10.0	5.5	1.0	1.0	1.0	7.5	18.0	24.0	26.0	29.0	28.0	21.0
20	10.0	5.0	1.0	1.0	1.0	7.0	18.0	24.5	26.0	29.0	28.5	20.0
21	5.0	3.5	1.5	1.0	1.5	7.0	18.5	24.5	25.5	29.0	28.0	19.5
22	10.0	3.5	1.5	1.0	1.5	6.5	18.5	24.5	25.5	29.0	27.5	19.5
23	10.0	5.5	2.0	1.0	1.0	6.5	18.5	25.0	25.5	29.5	27.0	19.0
24	10.0	4.0	2.0	1.5	1.5	6.5	19.0	25.0	26.0	29.5	27.0	18.5
25	10.0	1.5	1.5	1.5	1.5	7.0	19.5	25.0	26.0	29.0	26.5	17.0
26	10.0	1.5	1.0	1.5	1.0	7.5	19.5	25.0	26.0	29.0	26.0	17.0
27	10.0	0.5	1.0	1.5	1.5	8.0	19.5	25.5	25.5	29.0	25.0	16.0
28	10.0	1.0	1.5	1.0	1.0	7.5	20.0	25.5	25.5	29.5	25.0	16.0
29	10.5	0.5	1.5	1.0	---	7.5	20.0	26.0	25.5	29.5	25.0	15.5
30	10.0	1.0	1.5	1.0	---	7.5	20.0	26.0	25.5	29.5	25.0	15.5
31	10.0	---	1.5	1.0	---	7.5	---	26.0	---	29.5	25.0	---
MONTH	8.5	4.5	1.5	1.5	1.0	6.5	15.5	23.5	26.0	29.0	27.5	20.5

06796000 PLATTE RIVER AT NORTH BEND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV.										
08...	1020	8.0	3260	210	1840	--	--	--	--	--
DEC.										
06...	1015	1.0	3530	1760	16800	27	29	35	62	100
FEB.										
20...	1545	.2	3700	168	1680	20	20	30	44	100
MAR.										
12...	1600	1.0	5000	211	2850	66	71	86	96	100
20...	1200	4.0	7370	1030	20500	47	--	--	--	--
APR.										
25...	1300	17.5	4160	350	3930	--	--	--	--	--
MAY										
14...	1130	21.0	3740	396	4000	--	--	--	--	--
JUNE										
09...	1430	20.0	3230	1000	8720	--	--	--	--	--
20...	1400	26.0	10200	443	12200	--	--	--	--	--
JULY										
09...	1125	28.5	1890	168	857	--	--	--	--	--
29...	1300	29.0	998	322	868	--	--	--	--	--
SEP.										
26...	1045	10.0	1450	164	642	--	--	--	--	--

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAR.												
20...	1200	3	7370	--	0	2	37	77	90	98	100	--
JUNE												
20...	1400	3	10200	0	1	13	43	76	86	94	98	100

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TOTAL COUNT CELLS/ML (60050)	DOMINANT GENERA (Greater than or equal to 15 percent)	PERCENT COMPOSITION	ALGAL GROUP
OCT.				
25...	41,000	CYCLOTELLA	63	Diatom
NOV.				
08...	8,600	CYCLOTELLA	16	Diatom
DEC.				
04...	4,900	SCENEDESMUS	35	Green
		NITZSCHIA	28	Diatom
JAN.				
09...	15,000	LYNGBYA	39	Blue-green
		SYNEDRA	29	Diatom
FEB.				
20...	4,000	FRAGILARIA	56	Diatom
MAR.				
13...	5,300	FRAGILARIA	43	Diatom
		NITZSCHIA	15	Diatom
APR.				
25...	49,000	ANACYSTIS	28	Blue-green
		NAVICULA	24	Diatom
MAY				
14...	94,000	SCENEDESMUS	25	Green
		CYCLOTELLA	20	Diatom
		ACTINASTRUM	19	Green
JUNE				
09...	97,000	ANABAENA	23	Blue-green
		MELOSIRA	21	Diatom
20...	62,000	MELOSIRA	34	Diatom
		FRAGILARIA	26	Diatom
JULY				
29...	72,000	SCENEDESMUS	32	Green
		DICTYOSPHAERIUM	29	Green
AUG.				
28...	31,000	SCENEDESMUS	50	Green
		AGMENELLUM	16	Blue-green
SEP.				
26...	14,000	SCENEDESMUS	36	Green
		ANACYSTIS	21	Blue-green

PERIPHYTON

DATE	EXPOSURE TIME, DAYS	BIOMASS ASH WEIGHT G/M² (00572)	BIOMASS DRY WEIGHT G/M² (00573)	UNCORRECTED PERIPHYTON CHLOROPHYLL B MG/M² (32226)	UNCORRECTED PERIPHYTON CHLOROPHYLL A MG/M² (32228)
DEC.					
06...	28	23	---	.5	.5
JUNE					
09...	26	6.2	8.2	.7	2.6

06799450 LOGAN CREEK AT PENDER, NEBR.

LOCATION.--Lat 42°06'40", long 96°12'00", in NW¼ sec.26, T.25 N., R.6 E., Thurston County, at gaging station at bridge on State Highway 94 at Pender.

DRAINAGE AREA.--731 mi^2 (1,890 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: January 1964 to September 1968, May 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)
OCT. 24...	0920	45	--	--	--	--	--	--	--	--	--
NOV. 20...	1100	45	--	--	--	--	--	--	--	--	--
DEC. 11...	1130	49	--	--	--	--	--	--	--	--	--
JAN. 08...	1500	50	--	--	--	--	--	--	--	--	--
FEB. 13...	1145	42	--	--	--	--	--	--	--	--	--
MAR. 28...	1300	117	18	--	40	--	--	410	90	22	22
APR. 17...	1300	109	--	--	--	--	--	--	--	--	--
MAY 07...	1000	987	7.7	470000	0	12000	12000	340	34	7.6	5.9
28...	1740	549	9.3	49000	50	2100	1300	760	64	18	17
AUG. 01...	0945	41	--	--	--	--	--	--	--	--	--
21...	1300	48	23	--	--	--	--	70	98	26	27

DATE	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)
OCT. 24...	--	--	--	--	--	8.6	--	.68	.63	.08	--
NOV. 20...	--	--	--	--	--	38	--	1.4	1.3	.09	--
DEC. 11...	--	--	--	--	--	18	--	1.7	1.6	.48	--
JAN. 08...	--	--	--	--	--	5.7	--	1.4	1.3	.22	--
FEB. 13...	--	--	--	--	--	11	--	1.6	1.6	.47	--
MAR. 28...	7.0	289	0	237	110	8.1	.1	1.8	1.8	.69	--
APR. 17...	--	--	--	--	--	7.4	--	2.9	1.8	.11	--
MAY 07...	10	124	0	102	28	5.7	.4	2.6	2.6	3.5	.58
28...	10	224	0	184	88	7.2	.3	1.5	1.3	.64	.41
AUG. 01...	--	--	--	--	--	11	--	.27	--	.08	--
21...	6.7	344	0	282	120	9.3	.3	.53	--	.00	--

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED ORGANIC NITROGEN (N) (MG/L) (00607)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	SUSPENDED KJEL. NITROGEN (N) (MG/L) (00624)	DISSOLVED KJEL. NITROGEN (N) (MG/L) (00623)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 24...	.55	--	.63	--	--	1.3	.25	.24	494	--	.67
NOV. 20...	.24	--	.33	--	--	1.7	.33	.32	573	--	.78
DEC. 11...	1.7	--	2.2	--	--	3.9	.60	.27	555	--	.75
JAN. 08...	.25	--	.47	--	--	1.9	.29	.27	520	--	.71
FEB. 13...	.30	--	.77	--	--	2.4	.31	.22	516	--	.70
MAR. 28...	.61	--	1.3	--	--	3.1	.39	.26	--	428	.58
APR. 17...	.89	--	1.0	--	--	3.9	.49	.26	501	--	.68
MAY 07...	23	1.1	26	24	1.7	29	1.6	.11	--	173	.24
28...	8.4	1.1	9.0	7.5	1.5	11	5.4	.13	--	331	.45
AUG. 01...	1.1	--	1.2	--	--	1.5	.25	.15	493	--	.67
21...	.91	--	.91	--	--	1.4	.33	.20	--	480	.65

06799450 LOGAN CREEK AT PENDER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)
OCT.											
24...	54.7	--	--	--	787	7.7	12.0	--	15	9.4	2.2
NOV.											
20...	77.4	--	--	--	798	7.5	3.5	--	15	13.6	2.6
DEC.											
11...	73.4	--	--	--	843	7.6	.5	--	15	11.6	4.9
JAN.											
08...	84.2	--	--	--	810	7.7	.0	--	5	10.2	6.4
FER.											
13...	58.5	--	--	--	803	7.6	.5	--	10	6.8	2.5
MAR.											
26...	135	320	78	.5	679	7.3	.0	5	35	10.9	4.6
APR.											
17...	147	--	--	--	723	7.5	14.0	--	60	11.0	4.4
MAY											
07...	460	120	14	.2	287	7.3	17.5	380	5400	5.2	--
28...	462	230	50	.5	553	7.1	18.0	35	1500	5.4	8.8
AUG.											
01...	54.4	--	--	--	759	8.0	24.0	--	20	8.9	4.6
21...	88.9	350	70	.6	611	7.2	29.0	20	20	9.1	5.2

DATE	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ALDRIN (UG/L) (39331)	SUS-PENDED ALDRIN (UG/L) (39332)	DIS-SOLVED CHLOR-DANE (UG/L) (39352)	SUS-PENDED CHLOR-DANE (UG/L) (39353)	DIS-SOLVED DDD (UG/L) (39361)	SUS-PENDED DDD (UG/L) (39362)	DIS-SOLVED DDE (UG/L) (39366)	SUS-PENDED DDE (UG/L) (39367)	DIS-SOLVED DDT (UG/L) (39371)
OCT.											
24...	150	560	--	--	--	--	--	--	--	--	--
NOV.											
20...	133	300	--	--	--	--	--	--	--	--	--
DEC.											
11...	200	313	--	--	--	--	--	--	--	--	--
JAN.											
08...	267	296	--	--	--	--	--	--	--	--	--
FEH.											
13...	190	116	--	--	--	--	--	--	--	--	--
MAH.											
28...	210	1400	--	--	--	--	--	--	--	--	--
APH.											
17...	378	660	--	--	--	--	--	--	--	--	--
MAY											
07...	147000	92000	.00	.08	.0	.0	.00	.02	.00	.08	.00
28...	290000	150000	.00	.01	.0	.0	.00	.00	.00	.01	.00
AUG.											
01...	111	320	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED DDT (UG/L) (39372)	DIS-SOLVED DI-AZINON (UG/L) (39572)	SUS-PENDED DI-AZINON (UG/L) (39573)	DIS-SOLVED DI-ELDRIN (UG/L) (39381)	SUS-PENDED DI-ELDRIN (UG/L) (39382)	DIS-SOLVED ENDRIN (UG/L) (39391)	SUS-PENDED ENDRIN (UG/L) (39392)	DIS-SOLVED HEPTA-CHLOR (UG/L) (39411)	SUS-PENDED HEPTA-CHLOR (UG/L) (39412)	DIS-SOLVED HEPTA-CHLOR EPOXIDE (UG/L) (39421)	SUS-PENDED HEPTA-CHLOR EPOXIDE (UG/L) (39422)	DIS-SOLVED LINDANE (UG/L) (39341)
MAH.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	.12	.00	--	.01	.25	.00	.00	.00	.05	.00	.05	.00
28...	.02	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00
AUG.												
21...	--	--	--	--	--	--	--	--	--	--	--	--

06799450 LOGAN CREEK AT PENDER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUSPENDED LINDANE (UG/L) (39342)	DISSOLVED MALATHION (UG/L) (39532)	SUSPENDED MALATHION (UG/L) (39533)	DISSOLVED METHYL PARATHION (UG/L) (39602)	SUSPENDED METHYL PARATHION (UG/L) (39603)	DISSOLVED PARATHION (UG/L) (39542)	SUSPENDED PARATHION (UG/L) (39543)	DISSOLVED PCB (UG/L) (39517)	SUSPENDED PCB (UG/L) (39518)	DISSOLVED TOXAPHENE (UG/L) (39401)	SUSPENDED TOXAPHENE (UG/L) (39402)	DISSOLVED 2,4-D (UG/L) (39732)
MAR. 28...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 07...	.00	.00	--	.00	--	.00	--	.0	.0	0	0	.22
28...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	0	.71
AUG. 21...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SUSPENDED 2,4-D (UG/L) (39733)	DISSOLVED 2,4,5-T (UG/L) (39742)	SUSPENDED 2,4,5-T (UG/L) (39743)	DISSOLVED SILVEX (UG/L) (39762)	SUSPENDED SILVEX (UG/L) (39763)	TOTAL ARSENIC (AS) (UG/L) (01002)	SUSPENDED ARSENIC (AS) (UG/L) (01001)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)	TOTAL CADMIUM (CD) (UG/L) (01027)	SUSPENDED CADMIUM (CD) (UG/L) (01026)	DISSOLVED CADMIUM (CD) (UG/L) (01025)
MAR. 28...	--	--	--	--	--	--	--	1	50	--	--	1
MAY 07...	--	.01	--	.00	--	480	480	2	30	25	21	4
28...	.00	.00	.00	.00	.00	210	210	4	50	<10	<9	1
AUG. 21...	--	--	--	--	--	--	--	--	100	--	--	--

DATE	TOTAL CHROMIUM (CR) (UG/L) (01034)	SUSPENDED CHROMIUM (CR) (UG/L) (01031)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	SUSPENDED COBALT (CO) (UG/L) (01036)	DISSOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUSPENDED COPPER (CU) (UG/L) (01041)	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUSPENDED LEAD (PB) (UG/L) (01050)
MAR. 28...	--	--	0	--	--	--	--	--	11	--	--
MAY 07...	290	290	0	350	350	0	540	530	7	700	700
28...	30	30	0	<50	<49	1	80	77	3	100	96
AUG. 21...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELENIUM (SE) (UG/L) (01147)	SUSPENDED SELENIUM (SE) (UG/L) (01146)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUSPENDED ZINC (ZN) (UG/L) (01091)	DISSOLVED ZINC (ZN) (UG/L) (01090)
MAR. 28...	0	.0	.0	.0	--	--	15	0	--	--	30
MAY 07...	4	1.7	1.6	.1	6	1	5	1	1600	1600	20
28...	6	.1	.1	.0	7	2	5	0	500	490	10
AUG. 21...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	TEMPERATURE (DEG C) (00010)	INSTANTANEOUS DISCHARGE (CFS) (00061)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)
MAY 07...	1045	16.0	874	4800	11300	42	44	50	92	97	100
28...	1740	18.0	517	4100	5720	31	41	58	98	100	--

DATE	TIME	NUMBER OF SAMPLING POINTS (00063)	INSTANTANEOUS DISCHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
MAY 07...	1045	4	874	--	0	25	96	100
28...	1740	3	517	7	10	28	86	100

06800500 ELKHORN RIVER AT WATERLOO, NEBR.

LOCATION.--Lat 41°17'25", long 96°17'05", in SW¼ sec.3, T.15 N., R.10 E., Douglas County, at gaging station at bridge at north edge of Waterloo, 3.5 mi (5.6 km) downstream from Rawhide Creek.

DRAINAGE AREA.--6,900 mi² (17,900 km²), approximately, of which about 5,870 mi² (15,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1966 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)
OCT. 23...	1130	400	28	--	20	--	--	50	70	15	27
NOV. 20...	1345	475	31	--	60	--	--	100	70	14	27
DEC. 11...	1400	430	31	--	0	--	--	120	80	16	31
JAN. 08...	1215	490	36	--	20	--	--	80	75	16	23
FEB. 12...	1030	470	35	--	90	--	--	160	75	16	33
MAR. 13...	1435	890	28	--	20	--	--	170	58	14	21
APR. 24...	1230	1980	21	--	90	--	--	10	63	14	22
MAY 27...	1130	620	19	--	80	--	--	0	64	16	23
JUNE 19...	1115	8760	6.8	210000	160	5100	5100	0	26	6.3	6.3
JULY 28...	1000	850	17	--	70	--	--	0	43	8.7	14
AUG. 26...	1230	273	25	--	30	--	--	10	65	15	31
SEP. 24...	1110	234	21	--	10	--	--	10	73	18	32

DATE	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)
OCT. 23...	7.8	283	0	232	47	17	.3	.85	.85	.77	--
NOV. 20...	7.8	279	0	229	43	17	.3	1.4	1.4	.61	--
DEC. 11...	7.5	302	0	248	57	20	.3	1.5	1.5	1.1	--
JAN. 08...	7.0	294	0	241	44	15	.3	1.3	1.2	1.0	--
FEB. 12...	7.0	298	0	244	47	27	.3	1.5	1.5	1.3	--
MAR. 13...	7.2	239	0	196	39	19	.6	1.2	1.2	.63	--
APR. 24...	12	242	0	198	65	15	.3	2.2	1.9	.30	--
MAY 27...	9.3	249	0	204	47	12	.4	2.0	1.8	.08	--
JUNE 19...	9.2	104	0	85	16	5.0	.5	3.1	2.0	.03	.19
JULY 28...	10	158	0	130	31	9.8	.5	1.5	--	.04	--
AUG. 26...	9.1	269	0	221	64	20	.3	.53	--	.17	--
SEP. 24...	8.0	281	0	230	63	28	.3	.77	--	.48	--

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED ORGANIC NITROGEN (N) (MG/L) (00607)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	SUSPENDED KJEL. NITROGEN (N) (MG/L) (00624)	DISSOLVED KJEL. NITROGEN (N) (MG/L) (00623)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 23...	1.2	--	2.0	--	--	2.9	.79	.80	355	.48	335
NOV. 20...	.22	--	.83	--	--	2.2	.93	.75	354	.48	484
DEC. 11...	.60	--	1.7	--	--	3.2	.62	.50	398	.54	484
JAN. 08...	2.4	--	3.4	--	--	4.7	.76	.56	367	.50	476
FEB. 12...	.70	--	2.0	--	--	3.5	.52	.55	394	.54	500
MAR. 13...	.67	--	1.3	--	--	2.5	.47	.36	310	.42	745
APR. 24...	4.2	--	4.5	--	--	6.7	1.3	.49	320	.44	1710
MAY 27...	4.8	--	4.9	--	--	6.9	.76	.36	322	.44	539
JUNE 19...	25	1.7	25	23	1.9	28	.52	.11	137	.19	3240
JULY 28...	2.8	--	2.8	--	--	4.3	.86	.28	212	.29	487
AUG. 26...	2.0	--	2.2	--	--	2.7	.66	.30	362	.49	267
SEP. 24...	1.2	--	1.7	--	--	2.5	.74	.41	382	.52	241

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)
OCT. 23...	240	8	.8	594	7.6	13.0	8	20	8.6	11	69000
NOV. 20...	230	1	.8	563	7.4	6.5	5	30	11.5	8.6	7330
DEC. 11...	270	22	.8	642	7.8	1.0	8	20	12.8	7.6	6770
JAN. 08...	250	9	.6	578	7.8	.5	5	10	13.0	16	53300
FEB. 12...	250	6	.9	614	8.0	.5	10	7	5.0	5.0	49000
MAR. 13...	200	6	.6	495	7.4	.0	8	15	13.0	5.4	2000
APR. 24...	220	16	.7	513	7.6	15.5	60	250	7.3	9.0	4200
MAY 27...	230	21	.7	522	7.9	21.0	20	150	8.3	6.4	4200
JUNE 19...	91	6	.3	228	7.4	19.5	330	4500	5.5	34	320000
JULY 28...	140	14	.5	365	7.3	25.5	35	410	7.6	--	11000
AUG. 26...	220	3	.9	577	8.3	25.0	30	30	8.6	10	4100
SEP. 24...	260	26	.9	600	8.3	13.5	7	25	12.6	--	500

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ALDRIN (UG/L) (39331)	SUS-PENDED ALDRIN (UG/L) (39332)	DIS-SOLVED CHLOR-DANE (UG/L) (39352)	SUS-PENDED CHLOR-DANE (UG/L) (39353)	DIS-SOLVED DDD (UG/L) (39361)	SUS-PENDED DDD (UG/L) (39362)	DIS-SOLVED DDE (UG/L) (39366)	SUS-PENDED DDE (UG/L) (39367)	DIS-SOLVED DDT (UG/L) (39371)
OCT. 23...	11600	--	--	--	--	--	--	--	--	--
NOV. 20...	14200	--	--	--	--	--	--	--	--	--
DEC. 11...	13800	--	--	--	--	--	--	--	--	--
JAN. 08...	19600	--	--	--	--	--	--	--	--	--
FEB. 12...	4600	--	--	--	--	--	--	--	--	--
MAR. 13...	1000	--	--	--	--	--	--	--	--	--
APR. 24...	5300	--	--	--	--	--	--	--	--	--
MAY 27...	2100	--	--	--	--	--	--	--	--	--
JUNE 19...	290000	.00	.07	.0	.0	.00	.00	.00	.00	.00
JULY 28...	4500	--	--	--	--	--	--	--	--	--
AUG. 26...	443	--	--	--	--	--	--	--	--	--
SEP. 24...	80	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED DDT (UG/L) (39372)	DIS-SOLVED DI-AZINON (UG/L) (39572)	SUS-PENDED DI-AZINON (UG/L) (39573)	DIS-SOLVED DI-ELDRIN (UG/L) (39381)	SUS-PENDED DI-ELDRIN (UG/L) (39382)	DIS-SOLVED ENDRIN (UG/L) (39391)	SUS-PENDED ENDRIN (UG/L) (39392)	DIS-SOLVED HEPTA-CHLOR (UG/L) (39411)	SUS-PENDED HEPTA-CHLOR (UG/L) (39412)	DIS-SOLVED HEPTA-CHLOR EPOXIDE (UG/L) (39421)	SUS-PENDED HEPTA-CHLOR EPOXIDE (UG/L) (39422)	DIS-SOLVED LINDANE (UG/L) (39341)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 12...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 24...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 19...	.03	.04	.00	.03	.24	.00	.00	.00	.01	.00	.00	.00
JULY 28...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 26...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED LINDANE (UG/L) (39342)	DIS-SOLVED MALA-THION (UG/L) (39532)	SUS-PENDED MALA-THION (UG/L) (39533)	DIS-SOLVED METHYL PARA-THION (UG/L) (39602)	SUS-PENDED METHYL PARA-THION (UG/L) (39603)	DIS-SOLVED PARA-THION (UG/L) (39542)	SUS-PENDED PARA-THION (UG/L) (39543)	DIS-SOLVED PCB (UG/L) (39517)	SUS-PENDED PCB (UG/L) (39518)	DIS-SOLVED TOX-APHENE (UG/L) (39401)	SUS-PENDED TOX-APHENE (UG/L) (39402)	DIS-SOLVED 2,4-D (UG/L) (39732)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 12...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 24...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 19...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	0	.29
JULY 28...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 26...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	--	--	--	--	--	--	--	--	--	--	--	--

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUSPENDED 2,4-D (UG/L) (39733)	DISSOLVED 2,4,5-T (UG/L) (39742)	SUSPENDED 2,4,5-T (UG/L) (39743)	DISSOLVED SILVEX (UG/L) (39762)	SUSPENDED SILVEX (UG/L) (39763)	TOTAL ARSENIC (AS) (UG/L) (01002)	SUSPENDED ARSENIC (AS) (UG/L) (01001)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)	TOTAL CADMIUM (CD) (UG/L) (01027)	SUSPENDED CADMIUM (CD) (UG/L) (01026)	DISSOLVED CADMIUM (CD) (UG/L) (01025)
OCT. 23...	--	--	--	--	--	--	--	--	120	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	70	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	90	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	60	--	--	--
FEB. 12...	--	--	--	--	--	--	--	--	70	--	--	--
MAR. 13...	--	--	--	--	--	--	--	2	50	--	--	3
APR. 24...	--	--	--	--	--	--	--	--	80	--	--	--
MAY 27...	--	--	--	--	--	--	--	--	50	--	--	--
JUNE 19...	.00	.01	.00	.00	.00	230	230	0	100	10	10	0
JULY 28...	--	--	--	--	--	--	--	--	50	--	--	--
AUG. 26...	--	--	--	--	--	--	--	--	100	--	--	--
SEP. 24...	--	--	--	--	--	--	--	6	90	--	--	1

DATE	TOTAL CHROMIUM (CR) (UG/L) (01034)	SUSPENDED CHROMIUM (CR) (UG/L) (01031)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	SUSPENDED COBALT (CO) (UG/L) (01036)	DISSOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUSPENDED COPPER (CU) (UG/L) (01041)	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUSPENDED LEAD (PB) (UG/L) (01050)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	--	--	--
FEB. 12...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	0	--	--	--	--	--	100	--	--
APR. 24...	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	--	--	--	--	--	--	--	--	--
JUNE 19...	160	160	0	50	50	0	210	200	6	100	100
JULY 28...	--	--	--	--	--	--	--	--	--	--	--
AUG. 26...	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	--	--	10	--	--	--	--	--	7	--	--

DATE	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELENIUM (SE) (UG/L) (01147)	SUSPENDED SELENIUM (SE) (UG/L) (01146)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUSPENDED ZINC (ZN) (UG/L) (01091)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 23...	--	--	--	--	--	--	--	--	--	--	--
NOV. 20...	--	--	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	--	--	--
FEB. 12...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	2	.0	.0	.0	--	--	4	0	--	--	180
APR. 24...	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	--	--	--	--	--	--	--	--	--
JUNE 19...	0	.4	.4	.0	2	0	2	0	640	630	10
JULY 28...	--	--	--	--	--	--	--	--	--	--	--
AUG. 26...	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	3	.4	.3	.1	--	--	4	0	--	--	10

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
JUNE 19...	1150	19.5	8760	12400	293000	56	74	90	94	98	99	100

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
JUNE 19...	1150	2	8760	0	6	72	97	100

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAR. 28...	1200	6	9260	--	0	15	47	69	77	91	100	--
APR. 10...	1300	4	9980	--	0	23	70	89	96	100	--	--
JUNE 25...	1320	4	18200	2	9	32	62	82	90	96	98	100

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.

LOCATION.--Lat 40°46'13", long 96°43'05", in SW¼SW¼ sec.2, T.9 N., R.6 E., Lancaster County, at county road bridge 0.9 mi (1.4 km) west of U.S. Highway 77 and of northeast corner of State Penitentiary at Lincoln.

DRAINAGE AREA.--221 mi^2 (572 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1975.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)
OCT.							
01...	1015	6.0	320	0	262	--	--
16...	1030	6.1	296	0	243	--	7.5
29...	1015	7.4	320	0	262	--	7.6
NOV.							
12...	0950	9.0	308	0	253	--	7.6
26...	1015	7.0	280	0	230	--	7.7
DEC.							
11...	1045	9.0	316	0	259	--	8.0
23...	1025	11	328	0	269	--	7.5
JAN.							
08...	0950	13	308	0	253	--	7.7
22...	1100	16	308	0	253	1700	7.2
FEB.							
04...	1100	15	288	0	236	1340	7.4
18...	1100	15	316	0	259	1350	7.2
MAR.							
04...	0930	23	176	0	144	656	7.1
20...	1000	195	148	0	121	358	7.1
APR.							
01...	1020	21	296	0	243	691	7.8
15...	0925	42	312	0	256	762	7.6
MAY							
01...	1000	45	280	0	230	605	7.5
15...	1130	27	280	0	230	649	7.8
27...	1445	14	344	0	282	925	7.7
JUNE							
10...	1230	85	148	0	121	542	7.2
24...	1220	30	240	0	197	715	7.4

DATE	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	TUR- BID- ITY (NTU) (00076)	DIS- SOLVED OXYGEN (MG/L) (00300)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.							
01...	10.0	15	--	8.9	3.8	1170	740
16...	9.0	20	--	7.2	--	1530	--
29...	14.5	20	--	7.5	10	4200	1000
NOV.							
12...	5.5	15	--	10.2	2.3	633	640
26...	3.0	10	--	11.4	--	31	--
DEC.							
11...	.5	9	--	13.0	--	240	220
23...	1.0	9	--	14.0	--	833	--
JAN.							
08...	1.0	7	--	15.0	3.5	10	150
22...	.0	9	--	14.0	--	1270	--
FEB.							
04...	.0	10	--	15.0	2.1	3100	760
18...	.0	10	--	13.6	--	967	--
MAR.							
04...	.0	30	--	13.0	5.9	260	9440
20...	--	--	130	10.9	--	500	--
APR.							
01...	3.5	--	30	11.5	3.7	43	1100
15...	8.5	--	30	9.6	25	150	--
MAY							
01...	13.0	--	100	9.6	6.0	1130	--
15...	16.0	--	100	8.5	--	900	570
27...	21.5	--	35	12.6	--	90	--
JUNE							
10...	17.5	--	700	7.7	6.0	21200	--
24...	24.0	--	140	6.7	--	3000	--

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
JULY 15...	1200	6.5	75	21	84	5.4	300	0	246	120	120
AUG. 05...	1400	35	32	16	54	9.1	252	0	207	68	35
SEP. 18...	0800	5.3	67	21	93	6.5	--	--	--	110	110

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
JULY 15...	.04	.00	1.2	1.2	1.2	.46	.37	612	--	.83	10.7
AUG. 05...	.28	.07	1.9	2.0	2.3	.41	.23	368	342	.50	22.9
SEP. 18...	.10	.04	1.2	1.2	1.3	.30	.20	585	--	.80	8.37

DATE	TOTAL RESIDUE (MG/L) (00500)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
JULY 15...	665	1020	7.4	24.0	25	7.6	24	5.0	2230	500
AUG. 05...	566	604	8.3	26.5	75	8.7	41	3.7	1000	450
SEP. 18...	664	994	7.5	17.5	25	7.7	16	--	610	1040

DATE	TOTAL ALDRIN (UG/L) (39330)	TOTAL CHLORDANE (UG/L) (39350)	TOTAL DDD (UG/L) (39360)	TOTAL DDE (UG/L) (39365)	TOTAL DDT (UG/L) (39370)	TOTAL DIAZINON (UG/L) (39570)	TOTAL DIELDRIN (UG/L) (39380)	TOTAL ENDRIN (UG/L) (39390)	TOTAL ETHION (UG/L) (39398)	TOTAL HEPTACHLOR (UG/L) (39410)	TOTAL HEPTACHLOR EPOXIDE (UG/L) (39420)
JAN. 08...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 10...	.00	.0	.00	.00	.00	.01	.01	.00	--	.00	.00
AUG. 05...	.00	.0	.00	.00	.00	.00	<.01	.00	.00	.00	.00

DATE	TOTAL LINDANE (UG/L) (39340)	TOTAL MALATHION (UG/L) (39530)	TOTAL METHYL PARATHION (UG/L) (39600)	TOTAL PARATHION (UG/L) (39540)	TOTAL PCB (UG/L) (39516)	TOTAL TOXAPHENE (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	TOTAL 2,4-D (UG/L) (39730)	TOTAL 2,4,5-T (UG/L) (39740)	TOTAL SILVEX (UG/L) (39760)
JAN. 08...	.00	.00	.00	.00	.0	0	.00	.00	.00	.00
JUNE 10...	.00	.00	.00	.00	.0	0	--	.77	.02	.00
AUG. 05...	.00	.00	.00	.00	.0	0	.00	.00	.00	.00

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	TOTAL SODIUM (NA) (MG/L) (00929)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
01...	1015	1720	405	84	--	25	--	118	--	6.1	--	109
16...	1030	--	529	76	--	23	--	130	--	5.6	--	110
29...	1015	2660	667	86	--	22	--	100	--	6.6	--	96
NOV.												
12...	0950	1300	280	72	--	19	--	61	--	7.1	--	68
DEC.												
11...	1045	550	316	99	95	22	22	82	97	5.0	5.2	110
23...	1025	460	207	97	--	24	--	116	--	4.5	--	140
JAN.												
08...	0950	380	234	88	--	24	--	115	--	3.7	--	119
22...	1100	460	359	120	--	30	--	180	--	4.8	--	172
FEB.												
04...	1100	590	322	108	--	23	--	141	--	5.2	--	144
18...	1100	6	351	105	--	24	--	152	--	5.0	--	158
MAR.												
04...	0930	2530	290	57	56	15	14	49	50	7.7	7.6	64
20...	1000	10800	447	42	--	12	--	22	--	7.4	--	49
APR.												
01...	1020	2200	282	79	--	25	--	46	--	6.1	--	87
15...	0925	2700	420	83	--	22	--	58	--	5.2	--	99
MAY												
01...	1000	6200	366	61	--	18	--	43	--	16	--	78
15...	1130	5800	351	65	--	19	--	45	--	15	--	69
27...	1445	2600	418	83	--	24	--	78	--	14	--	93
JUNE												
10...	1230	55700	1580	45	--	16	--	32	--	11	--	137
24...	1220	11600	646	57	--	17	--	60	--	8.0	--	67

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT.												
01...	136	.10	.12	.58	.70	.80	.35	.60	--	58	--	--
16...	176	.30	.14	.80	.94	1.2	.38	.78	762	68	--	--
29...	116	.30	.13	.60	.73	1.0	.37	.33	616	77	--	--
NOV.												
12...	60	.80	.13	1.1	1.2	2.1	.42	--	16	--	--	--
DEC.												
11...	105	.70	.14	.37	.51	1.2	.26	.28	538	18	330	69
23...	169	.40	.04	.33	.37	.77	.25	.23	758	<1	--	--
JAN.												
08...	174	.60	<.04	--	.17	.77	.20	.22	750	8	--	--
22...	268	.90	.18	.37	.55	1.4	.30	.41	1000	2	--	--
FEB.												
04...	203	.90	.48	.02	.50	1.4	.31	.33	768	12	--	--
18...	196	1.1	.33	.05	.38	1.5	.31	.24	782	32	--	--
MAR.												
04...	57	1.7	.46	1.0	1.4	3.2	.56	.44	384	32	200	53
20...	22	1.8	.37	2.3	2.7	4.5	.75	--	252	438	--	--
APR.												
01...	37	1.7	.35	.68	1.0	2.7	.42	--	446	58	--	--
15...	56	.50	.03	1.0	1.0	1.5	.33	--	494	102	--	--
MAY												
01...	25	1.9	.20	1.4	1.6	3.5	.52	.23	394	228	--	--
15...	29	.90	.22	1.2	1.3	2.3	.44	--	372	160	--	--
27...	19	.40	.60	.10	.70	1.1	.35	.33	584	82	--	--
JUNE												
10...	27	2.5	.24	4.3	4.5	7.0	1.8	.20	330	1550	--	--
24...	59	.60	.06	.44	.50	1.1	.40	.33	670	322	--	--

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SODIUM AD- SORP- TION RATIO (00931)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD- MIUM (CD) (UG/L) (01027)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	TOTAL CHRO- MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)
OCT.											
01...	--	16	--	--	13	<5	24	--	<50	1.0	<20
16...	--	16	--	--	<5	<5	29	--	<50	.2	<20
29...	--	23	--	--	7	<5	21	--	<50	.7	<50
NOV.											
12...	--	19	--	--	<5	<5	16	--	<50	.4	<20
DEC.											
11...	2.3	16	4.8	<5	--	<5	--	16	30	.2	--
23...	--	16	--	<5	--	8	12	--	<5	.1	--
JAN.											
08...	--	<1	17	<5	--	5	12	--	<5	<.1	--
22...	--	19	8.5	<5	--	6	71	--	150	.5	--
FEB.											
04...	--	13	4.8	<5	--	<5	17	--	<5	--	--
18...	--	14	10	<5	--	<5	11	--	6	--	--
MAR.											
04...	1.5	40	20	<0	--	<5	14	--	<5	--	--
20...	--	68	25	0	--	6	12	--	12	--	--
APR.											
01...	--	35	<1.0	1	--	<5	68	--	11	--	--
15...	--	21	24	<0	--	<5	41	--	9	--	--
MAY											
01...	--	35	18	<1	--	16	18	--	6	--	--
15...	--	29	16	<1	--	9	16	--	7	--	--
27...	--	26	13	<1	--	6	53	--	23	--	--
JUNE											
10...	--	132	48	1	--	40	63	--	43	--	--
24...	--	50	--	<1	--	20	22	--	11	--	--

06803500 SALT CREEK AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'49", long 96°40'34", in NW¼SW¼ sec.7, T.10 N., R.7 E., Lancaster County, at gaging station at bridge on North 27th Street at north edge of Lincoln, 1 mi (1.6 km) downstream from Oak Creek.

DRAINAGE AREA.--684 mi^2 (1,771 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1975.
Water temperatures: May to September 1951, October 1968 to September 1975.
Sediment records: March to September 1951, March 1952 to September 1954.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 8,080 micromhos Sept. 22; minimum daily, 571 micromhos Oct. 30.
Water temperatures: Maximum, 31.5°C July 17, 18, 19; minimum, 2.0°C Apr. 1.

Period of record:
Specific conductance: Maximum daily, 37,500 micromhos Oct. 3, 1973; minimum daily, 170 micromhos Oct. 11, 1973.
Water temperatures (1968-75): Maximum, 36.5°C June 20, 1974; minimum, freezing point on several days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED ALUMINUM (AL) (UG/L) (01106)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT. 04...	1745	79	--	--	--	--	--	--	--	--	--
NOV. 19...	1030	79	28	--	--	--	100	25	970	8.4	387
DEC. 18...	1020	92	27	--	--	--	96	26	940	14	378
JAN. 08...	1040	96	--	--	--	--	--	--	--	--	--
FEB. 04...	1015	130	--	--	--	--	--	--	--	--	--
MAR. 12...	1000	145	23	100	50	350	84	26	640	15	325
APR. 03...	1515	180	--	--	--	--	--	--	--	--	--
MAY 30...	1430	155	--	--	--	--	--	--	--	--	--
JUNE 06...	1230	110	24	--	--	--	74	20	550	16	338
JULY 15...	1130	86	--	--	--	--	--	--	--	--	--
AUG. 04...	1330	97	--	--	--	--	--	--	--	--	--
SEP. 18...	0900	59	24	20	70	360	98	32	1400	20	383

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRATE (N) (MG/L) (00618)	DISSOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)
OCT. 04...	--	--	--	1400	--	--	--	8.7	8.3	9.1	.80
NOV. 19...	0	317	240	1300	.7	--	--	.92	.66	6.1	2.8
DEC. 18...	0	310	250	1400	.7	--	--	1.1	1.0	4.7	4.7
JAN. 08...	--	--	--	1400	--	--	--	1.2	1.1	4.7	2.7
FEB. 04...	--	--	--	1100	--	--	--	8.9	8.2	6.8	8.2
MAR. 12...	0	267	190	860	1.0	1.1	.03	1.1	1.1	5.3	2.3
APR. 03...	--	--	--	990	--	--	--	1.7	1.6	5.3	2.3
MAY 30...	--	--	--	790	--	--	--	.88	.91	4.8	.70
JUNE 06...	0	277	180	720	.9	--	--	.96	.92	.29	17
JULY 15...	--	--	--	920	--	--	--	1.2	--	11	2.0
AUG. 04...	--	--	--	650	--	--	--	2.4	--	8.5	.30
SEP. 18...	0	314	310	2300	.8	.26	.09	.36	.35	9.7	3.3

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT.											
09...	9.9	19	6.6	6.3	3000	--	4.08	666	--	--	--
NOV.											
19...	8.9	9.8	3.2	2.8	2920	2870	3.97	757	350	33	22
DEC.											
18...	9.4	11	4.5	4.3	3010	2980	4.09	744	360	30	23
JAN.											
08...	7.4	8.6	3.0	3.0	2860	--	3.89	726	--	--	--
FEB.											
04...	15	24	4.2	4.0	2380	--	3.24	835	--	--	--
MAR.											
12...	7.6	8.7	4.0	3.7	--	2010	2.73	597	320	51	16
APR.											
03...	7.6	9.3	2.8	2.4	2250	--	3.06	1150	--	--	--
MAY											
30...	5.5	6.4	3.5	2.7	1850	--	2.52	230	--	--	--
JUNE											
06...	17	18	5.9	4.4	1790	1760	2.43	532	270	0	15
JULY											
15...	13	14	7.0	6.7	2140	--	2.91	485	--	--	--
AUG.											
04...	8.8	11	5.5	5.4	1560	--	2.12	337	--	--	--
SEP.											
18...	13	13	6.5	4.9	--	4580	6.23	730	380	66	36

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	CYANIDE (CN) (MG/L) (00720)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT.											
09...	5320	7.1	17.0	--	15	6.8	34	370000	31000	--	--
NOV.											
19...	5270	7.7	14.0	20	10	7.4	32	340000	68000	--	--
DEC.											
18...	5320	7.5	7.0	20	15	8.5	36	360000	44000	--	--
JAN.											
08...	5050	7.3	7.0	--	30	11.0	25	66700	35000	--	--
FEB.											
04...	4260	7.6	6.5	--	35	10.0	26	667000	65000	--	--
MAR.											
12...	3590	7.5	5.5	10	20	10.0	24	220000	6000	.00	.2
APR.											
03...	3960	7.7	1.0	--	25	11.0	15	600000	40000	--	--
MAY											
30...	3310	7.7	20.5	--	80	8.6	41	<1000	<1000	--	--
JUNE											
06...	3230	7.1	20.0	15	40	8.2	25	<10000	<1000	--	--
JULY											
15...	3880	7.7	25.0	--	5	10.0	15	20000	100	--	--
AUG.											
04...	2730	7.4	28.0	--	25	8.4	12	<10000	<1000	--	--
SEP.											
18...	7900	7.1	19.0	18	10	6.8	--	>10	>10	.01	1.2

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)
OCT. 09...	--	--	--	--	--	--	--	--	--	--	--
NOV. 19...	--	--	--	500	--	--	--	--	--	--	--
DEC. 17...	--	--	--	450	--	--	--	--	--	--	--
JAN. 08...	--	--	--	--	--	--	--	--	--	--	--
FEB. 04...	--	--	--	--	--	--	--	--	--	--	--
MAR. 12...	1	<100	2	340	0	0	1	10	2	70	.0
APR. 03...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--	--
JUNE 06...	--	--	--	440	--	--	--	--	--	--	--
JULY 15...	--	--	--	--	--	--	--	--	--	--	--
AUG. 04...	--	--	--	--	--	--	--	--	--	--	--
SEP. 18...	6	<200	<10	440	2	2	0	4	0	110	.0

DATE	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 12...	3	6	2	1	730	6.0	20
SEP. 18...	4	7	1	0	1300	10	40

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS CM AT 25 C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5750	3460	5130	4470	4460	2410	3140	2780	3830	3480	788	4100
2	5780	4300	5040	4540	4790	2150	3440	1450	3600	3710	2930	3650
3	5690	4060	5140	4600	4870	2480	3220	2390	3810	3700	3270	4530
4	5310	4070	5290	4640	4340	3170	3040	2780	3110	4110	2880	4580
5	5450	4580	5100	4720	4360	3640	2940	2900	3410	3900	3090	4700
6	4540	4780	4820	4230	4670	3070	3070	3010	3490	4700	3270	3870
7	4560	4880	4740	3070	4760	3000	2420	3180	4420	3690	3700	4800
8	5260	4980	5460	4840	4700	3480	2640	3180	3880	3390	3590	4470
9	5200	3010	5100	5000	4750	3490	2720	3270	1380	3420	3990	4700
10	5130	4580	5440	5040	4780	3780	2860	3610	1930	4470	4640	4560
11	5040	4560	5240	5080	4660	3770	3060	3150	2600	3630	3610	5620
12	5440	4560	5060	5460	4710	3730	3240	3180	2610	4570	3790	5970
13	5700	4690	4810	5320	4980	4230	3060	2540	3040	4910	3660	6960
14	5260	4810	5920	5280	4830	4260	2680	3330	3640	3510	2960	7270
15	5650	4900	4590	5330	4820	3910	2790	3570	3400	3620	3940	6900
16	5810	4770	4690	4920	4810	3210	2960	3830	3250	3560	3850	6670
17	6340	4910	5240	4940	4770	1270	3010	3640	3400	3740	4770	6070
18	6420	4830	4990	4770	4630	1290	2000	3940	1830	3760	3740	5610
19	5520	4800	4860	4520	4660	977	2430	3690	1960	3940	3860	6570
20	6000	4960	3230	4510	4280	1020	3140	3750	2700	2930	3750	7430
21	6080	5030	2040	4430	3450	1270	3010	3800	1230	3180	4060	6620
22	6070	4990	3660	4650	4430	1580	3210	2440	1470	1880	3450	8080
23	5710	4990	3190	4770	4700	1920	1460	3940	1990	2600	4740	6930
24	6010	4760	4990	4060	4100	2210	1930	4230	2390	3450	5910	7060
25	5920	5010	4550	4130	3830	2870	2350	4350	2840	3750	5360	6900
26	5270	4930	4480	4320	4060	3110	2680	4220	2990	4200	4820	5610
27	5370	5290	4250	4280	3620	1510	1350	4000	3160	4710	3370	5810
28	5080	5440	4280	4150	2720	1660	1510	2740	3320	3770	3850	6280
29	4800	4600	4650	4480	---	2230	2660	3040	3600	3450	3710	6060
30	571	5340	4300	4680	---	2810	2670	3370	3390	2340	3850	4960
31	3240	---	4660	4130	---	2700	---	3640	---	2520	4830	---
MONTH	5290	4700	4680	4640	4450	2650	2700	3320	2940	3640	3810	5780

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	19.0	6.5	8.0	6.5	9.0	2.0	15.5	20.0	29.0	25.5	26.5
2	18.0	15.5	10.0	6.5	8.0	5.5	4.5	15.5	21.0	28.0	26.5	26.5
3	21.0	12.0	10.0	6.5	6.5	6.5	10.0	19.5	23.5	28.0	28.0	22.0
4	21.0	14.5	10.0	6.5	4.5	6.5	12.0	22.0	23.5	29.0	28.0	21.0
5	15.5	12.0	11.0	8.0	3.5	9.0	11.0	24.5	24.5	29.0	26.5	23.5
6	15.5	13.5	10.0	8.0	4.5	5.5	12.0	23.5	23.5	26.5	26.5	23.5
7	18.0	15.5	9.0	8.0	4.5	9.0	10.0	21.0	22.0	26.5	26.5	24.5
8	21.0	15.5	6.5	9.0	4.5	8.0	10.0	22.0	19.0	25.5	28.0	24.5
9	20.0	13.5	8.0	8.0	4.5	4.5	14.5	21.0	20.0	24.5	29.0	24.5
10	21.0	13.5	10.0	6.5	4.5	8.0	10.0	23.5	19.0	24.5	25.5	26.5
11	21.0	12.0	10.0	5.5	4.5	8.0	13.5	20.0	22.0	23.5	25.5	19.0
12	15.5	12.0	10.0	4.5	4.5	10.0	14.5	19.0	24.5	22.0	26.5	21.0
13	16.5	10.0	10.0	4.5	4.5	10.0	11.0	18.0	24.5	24.5	24.5	22.0
14	16.5	11.0	5.5	5.5	4.5	9.0	12.0	21.5	21.0	29.5	24.5	19.0
15	16.5	11.0	6.5	5.5	4.5	11.0	15.5	23.5	25.5	26.5	24.5	20.0
16	19.0	13.5	6.5	5.5	4.5	14.5	19.0	22.0	26.5	25.5	26.5	21.0
17	20.0	13.5	8.0	5.5	5.5	6.5	21.0	23.5	25.5	31.5	26.5	23.5
18	18.0	12.0	9.0	5.5	4.5	9.0	10.0	23.0	23.5	31.5	28.0	20.0
19	19.0	13.5	9.0	4.5	4.5	10.0	13.5	23.5	25.5	31.5	28.0	19.0
20	16.5	13.5	9.0	4.5	6.5	11.0	13.5	22.0	28.0	26.5	28.0	18.0
21	19.0	13.5	8.0	5.5	8.0	11.0	18.0	24.5	24.5	24.5	29.0	21.0
22	20.0	15.5	9.0	5.5	6.5	11.0	19.0	22.0	24.5	26.5	28.0	21.0
23	21.0	10.0	9.0	6.5	8.0	12.0	19.0	23.5	24.5	25.5	26.5	21.0
24	20.0	10.0	6.5	8.0	8.0	4.5	19.0	23.5	26.5	25.5	28.0	20.0
25	18.0	10.0	4.5	6.5	9.0	8.0	21.0	23.0	28.0	26.5	24.5	21.0
26	19.0	11.0	6.5	6.5	9.0	5.5	19.0	22.0	24.5	25.5	25.5	21.0
27	19.0	10.0	9.0	4.5	10.0	8.0	19.0	21.0	26.5	26.5	26.5	18.0
28	18.0	8.0	9.0	4.5	11.5	8.0	16.5	22.0	28.0	28.0	25.5	---
29	19.0	10.0	6.5	8.0	---	6.5	18.5	18.0	29.0	28.0	26.5	21.0
30	16.5	6.5	8.0	8.0	---	10.0	15.5	19.0	30.0	28.0	26.5	19.0
31	15.5	---	9.0	4.5	---	10.0	---	21.0	---	29.0	26.5	---
MONTH	18.5	12.5	8.5	6.5	6.0	8.5	14.0	21.5	24.5	27.0	26.5	21.5

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.

LOCATION.--Lat 40°54'18", long 96°35'09", in NW¼SW¼ sec.24, T.11 N., R.7 E., Lancaster County, at bridge 0.5 mi (0.8 km) north of Interstate Highway 80 and 3 mi (4.8 km) southwest of Waverly.

DRAINAGE AREA.--815 mi^2 (2,111 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1975.

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)
OCT.							
01...	0845	91	428	0	351	--	7.2
16...	0930	80	416	0	341	--	7.6
29...	0900	116	308	0	253	--	7.5
NOV.							
12...	0900	110	400	0	328	--	7.6
26...	0910	82	396	0	325	--	7.8
DEC.							
11...	0930	90	356	0	292	--	7.5
23...	0940	96	404	0	331	--	7.7
JAN.							
08...	1320	93	408	0	335	--	7.8
22...	0950	89	400	0	328	5570	7.5
FEB.							
04...	0940	145	340	0	279	4490	7.6
18...	0930	110	380	0	312	5480	7.4
MAR.							
04...	1115	166	296	0	243	3700	7.6
20...	1115	1040	168	0	138	945	7.3
APR.							
01...	1120	220	340	0	279	3230	7.7
15...	1400	242	340	0	279	3240	7.5
29...	1400	400	296	0	243	2080	7.7
MAY							
15...	1200	140	380	0	312	4330	7.7
27...	1345	115	412	0	338	6110	7.8
JUNE							
10...	1415	325	228	0	187	2060	7.4
24...	1130	388	212	0	174	1880	7.2

DATE	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
OCT.							
01...	10.0	18	--	4.0	13	1300000	34000
16...	10.0	10	--	3.6	--	430000	--
29...	15.0	20	--	1.6	25	590000	134000
NOV.							
12...	6.0	10	--	6.6	13	800000	110000
26...	4.0	9	--	6.4	--	146000	--
DEC.							
11...	4.0	10	--	6.0	13	220000	34500
23...	3.0	15	--	7.9	--	280000	--
JAN.							
08...	5.0	30	--	11.0	16	20000	11500
22...	.0	15	--	9.8	--	380000	--
FEB.							
04...	2.0	60	--	8.3	23	400000	44000
18...	1.0	10	--	8.7	--	320000	--
MAR.							
04...	2.0	20	--	10.4	9.7	80000	24500
20...	--	--	190	8.7	--	14300	--
APR.							
01...	1.5	--	30	9.2	10	71400	12000
15...	14.0	--	35	9.3	--	100	--
29...	16.0	--	200	6.8	17	53800	--
MAY							
15...	19.0	--	35	6.0	6.5	50000	1540
27...	21.0	--	15	8.7	--	--	--
JUNE							
10...	19.0	--	600	6.2	12	10000	17500
24...	24.0	--	900	5.5	--	6000	--

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
JULY 15...	1100	69	83	32	1300	19	360	0	295	370	1900
AUG. 05...	1100	90	49	22	980	16	328	--	269	270	1500
SEP. 17...	1030	55	78	33	1500	19	--	--	--	410	2400

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
JULY 15...	.73	5.9	1.9	7.8	8.5	5.3	4.7	4040	--	5.49	753
AUG. 05...	1.1	4.0	.00	4.0	5.1	3.2	3.2	3070	3060	4.18	572
SEP. 17...	.88	9.8	2.2	12	13	6.2	5.9	4260	--	5.79	610

DATE	TOTAL RESIDUE (MG/L) (00500)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
JULY 15...	4110	6970	7.6	24.0	10	8.2	59	19	200	19000
AUG. 05...	6330	5300	7.8	24.5	30	5.7	41	10	250	<200
SEP. 17...	4370	5800	7.5	18.0	7	7.6	76	--	280	820

DATE	TOTAL ALDRIN (UG/L) (39330)	TOTAL CHLORDANE (UG/L) (39350)	TOTAL DDD (UG/L) (39360)	TOTAL DDE (UG/L) (39365)	TOTAL DDT (UG/L) (39370)	TOTAL DIAZINON (UG/L) (39570)	TOTAL DIELDRIN (UG/L) (39380)	TOTAL ENDRIN (UG/L) (39390)	TOTAL ETHION (UG/L) (39398)	TOTAL HEPTACHLOR (UG/L) (39410)	TOTAL HEPTACHLOR EPOXIDE (UG/L) (39420)
JAN. 08...	.00	.0	.00	.00	.00	.09	.00	.00	.00	.00	.00
JUNE 10...	.00	.0	.00	.00	.00	.06	.01	.00	--	.00	.00
AUG. 05...	.00	<.0	.01	.00	.00	.11	<.01	.00	.00	.00	.00

DATE	TOTAL LINDANE (UG/L) (39340)	TOTAL MALATHION (UG/L) (39530)	TOTAL METHYL PARATHION (UG/L) (39600)	TOTAL PARATHION (UG/L) (39540)	TOTAL PCB (UG/L) (39516)	TOTAL TOXAPHENE (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	TOTAL 2,4-D (UG/L) (39730)	TOTAL 2,4,5-T (UG/L) (39740)	TOTAL SILVEX (UG/L) (39760)
JAN. 08...	.00	.09	.00	.00	.0	0	.00	.47	.00	.00
JUNE 10...	.00	.00	.00	.00	.0	0	--	1.2	.03	.03
AUG. 05...	.00	.00	.00	.00	.0	0	.00	.33	.00	.05

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	TOTAL CAL-CIUM (CA) (MG/L) (00916)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	TOTAL MAG-NE-SIUM (MG) (MG/L) (00927)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	TOTAL SODIUM (NA) (MG/L) (00929)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	TOTAL PO-TAS-SIUM (K) (MG/L) (00937)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
01...	0845	450	391	91	--	34	--	1270	--	17	--	374
16...	0930	--	525	87	--	33	--	--	--	18	--	320
29...	0900	2570	941	73	--	23	--	766	--	14	--	240
NOV.												
12...	0900	6200	295	87	--	28	--	1000	--	15	--	230
DEC.												
11...	0930	560	347	96	96	29	29	920	900	15	14	300
23...	0940	630	363	89	--	28	--	960	--	10	--	260
JAN.												
08...	1320	840	470	104	--	32	--	1060	--	9.9	--	352
22...	0950	470	517	116	--	30	--	900	--	9.4	--	300
FEB.												
04...	0940	164	522	93	--	22	--	720	--	12	--	230
18...	0930	10	500	94	--	27	--	961	--	14	--	348
MAR.												
04...	1115	1690	430	76	74	22	20	600	570	12	12	213
20...	1115	24300	812	44	--	15	--	110	--	9.8	--	86
APR.												
01...	1120	2040	266	87	--	25	--	486	--	11	--	188
15...	1400	2010	248	88	--	26	--	480	--	9.9	--	189
29...	1400	16500	579	70	--	24	--	360	--	30	--	153
MAY												
15...	1200	2600	244	81	--	28	--	765	--	32	--	72
27...	1345	1100	243	89	--	31	--	1060	--	38	--	315
JUNE												
10...	1415	35500	1090	60	--	20	--	348	--	14	--	183
24...	1130	64000	1130	59	--	22	--	312	--	15	--	216

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT.												
01...	1930	.30	8.9	3.1	12	12	6.7	6.0	4110	12	--	--
16...	2000	.40	8.1	3.9	12	12	5.3	4.9	4110	16	--	--
29...	1190	.30	3.8	.60	4.4	4.7	3.1	2.4	2640	76	--	--
NOV.												
12...	1560	.80	5.8	1.5	7.3	8.1	4.6	--	--	16	--	--
DEC.												
11...	1640	.60	5.7	2.0	7.7	8.3	3.4	3.0	3650	56	360	67
23...	169	.90	4.6	4.2	8.8	9.7	2.9	2.2	3370	6	--	--
JAN.												
08...	1330	.90	3.9	1.7	5.6	6.5	2.7	2.5	3700	8	--	--
22...	847	1.3	5.4	2.7	8.1	9.4	3.5	3.1	3300	10	--	--
FEB.												
04...	1170	1.0	4.2	1.7	5.9	6.9	2.7	2.5	4320	124	--	--
18...	1610	1.0	5.5	1.4	6.9	7.9	3.6	3.0	3340	26	--	--
MAR.												
04...	893	1.3	2.6	1.4	4.0	5.3	1.9	1.5	2120	34	270	28
20...	200	1.3	.74	2.7	3.4	4.7	1.2	--	594	854	--	--
APR.												
01...	851	1.4	2.1	.90	3.0	4.4	1.5	--	1900	86	--	--
15...	867	.80	1.0	1.0	2.1	2.9	1.0	--	1880	100	--	--
29...	38	.80	.96	1.7	2.7	3.5	1.2	.53	1200	140	--	--
MAY												
15...	1100	.70	2.5	1.4	3.9	4.6	1.9	--	568	88	--	--
27...	1720	.60	4.0	2.0	6.0	6.6	2.6	2.4	3650	69	--	--
JUNE												
10...	485	1.1	1.1	3.2	4.3	5.4	1.5	.41	1200	962	--	--
24...	416	1.2	1.0	1.3	2.4	3.6	1.9	.54	904	1770	--	--

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SODIUM AD-SORP-TION RATIO (00931)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)
OCT.											
01...	--	69	--	--	18	12	32	--	<50	1.4	100
16...	--	60	--	--	11	9	144	--	<50	9.4	90
29...	--	88	--	--	10	9	32	--	<50	.7	<20
NOV.											
12...	--	42	--	--	9	5	24	--	<50	.4	<20
DEC.											
11...	21	52	8.5	8	--	12	--	21	80	.3	--
23...	--	69	--	<5	--	11	23	--	22	1.0	--
JAN.											
08...	--	81	27	<5	--	13	35	--	20	1.1	--
22...	--	103	21	<5	--	11	45	--	16	1.0	--
FEB.											
04...	--	107	75	<5	--	14	47	--	164	--	--
18...	--	103	41	9	--	12	34	--	10	--	--
MAR.											
04...	15	87	19	<0	--	<5	24	--	7	--	--
20...	--	45	35	1	--	15	30	--	28	--	--
APR.											
01...	--	60	13	1	--	7	96	--	20	--	--
15...	--	32	30	1	--	<5	82	--	13	--	--
29...	--	68	27	3	--	47	40	--	22	--	--
MAY											
15...	--	46	21	2	--	7	24	--	8	--	--
27...	--	46	18	1	--	<5	76	--	15	--	--
JUNE											
10...	--	74	33	1	--	46	43	--	44	--	--
24...	--	120	--	2	--	40	75	--	78	--	--

06803530 ROCK CREEK NEAR CERESCO, NEBR.

LOCATION.--Lat 41°00'56", long 96°32'39", in NE¼NE¼ sec.17, T.12 N., R.8 E., Lancaster County, at gaging station at county road bridge 5.7 mi (9.1 km) southeast of Ceresco.

DRAINAGE AREA.--119 mi^2 (308 km^2).

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1975.
Water temperatures: April 1970 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 3,620 micromhos Jan. 13; minimum daily, 411 micromhos Aug. 2.
Water temperatures: Maximum, 33.5°C July 7; minimum, freezing point on many days during November to March.

Period of record:
Specific conductance: Maximum daily, 5,160 micromhos July 5, 1970; minimum daily, 144 micromhos Oct. 11, 1973.
Water temperatures: Maximum, 39.5°C July 17, 1970; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
NOV. 21...	1140	8.4	29	120	21	190	7.7	360	11	314
MAR. 14...	1050	20	24	93	28	280	7.6	370	0	303
JUNE 06...	1030	12	22	70	20	180	8.3	305	0	250
SEP. 17...	0845	5.6	26	72	18	150	7.9	312	0	256

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)
NOV. 21...	120	210	.4	1.1	1.3	.07	.33	.40	1.5	.45
MAR. 14...	180	320	.3	1.7	1.6	.22	.61	.83	2.5	.35
JUNE 06...	120	180	.5	2.2	1.6	.10	3.2	3.3	5.5	.42
SEP. 17...	97	160	.4	.53	--	.04	.90	.94	1.5	.49

DATE	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
NOV. 21...	.46	871	893	1.18	19.8	390	73	4.2	1460
MAR. 14...	.29	1150	1120	1.56	62.1	350	44	6.5	1960
JUNE 06...	.01	764	759	1.04	24.8	260	7	4.9	1300
SEP. 17...	.30	706	685	.96	9.53	250	0	4.1	1170

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NOV. 21...	7.4	3.5	5	20	14.6	1.8	833	400	220
MAR. 14...	7.5	.0	20	15	13.0	4.4	60	220	220
JUNE 06...	7.2	20.0	20	180	7.0	5.0	1070	3350	270
SEP. 17...	7.7	16.0	4	75	7.8	--	890	580	230

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1280	1570	1700	1600	1580	1450	1220	1380	920	1160	1450	1200
2	1250	1500	2170	1330	1620	1600	1200	1370	868	1110	411	1240
3	1300	1570	1470	1330	1650	1720	1180	1200	756	1150	803	1190
4	1320	1430	1480	1400	1800	1790	1620	1300	1150	1130	1110	1320
5	1320	1440	1500	1400	2000	1830	1120	1370	1350	1220	1200	1420
6	1300	1570	1510	1800	1800	1880	1170	1350	1300	1240	1230	1200
7	1290	1480	1550	1600	1700	1740	1310	1310	1270	1280	1230	1190
8	1410	1380	1860	1410	1640	1760	1350	1310	1240	1350	1260	1180
9	1320	1400	1270	1480	1600	1790	1420	1270	1220	1240	1250	1170
10	1330	1520	1240	2000	1590	1830	1450	1260	1090	1230	1280	1170
11	1370	1640	1300	2680	1590	1870	1480	1290	1300	1280	1240	1220
12	1380	1580	1360	3300	1570	1920	1450	1300	1340	1310	1300	1880
13	1390	1530	1410	3620	1670	1980	1440	1270	1280	1300	1220	1490
14	1350	1470	1420	1820	1570	2040	1650	1330	1210	1300	1320	1250
15	1320	1370	1420	1740	1550	1320	1290	1300	903	1270	1170	1230
16	1330	1350	1560	1650	1580	800	1580	1280	1180	1250	1200	1230
17	1300	1380	1720	1590	1550	613	1510	1260	800	1300	1220	1220
18	1310	1430	1520	1480	1550	700	1460	1250	600	1300	1220	1290
19	1300	1480	1660	1320	1590	770	1480	1200	705	1390	1250	1250
20	1300	1490	1680	1370	1600	547	1490	1240	974	1480	1220	1200
21	1310	1320	1730	1370	1590	569	1410	1220	1190	1550	1200	1220
22	1270	1350	1600	1370	1550	726	1460	1220	946	1440	1200	1220
23	1240	1390	1900	1450	1600	797	1180	1320	930	1310	1320	1220
24	1320	1280	2030	1540	1630	991	1370	1210	925	1240	1470	1200
25	1320	1240	1920	1560	1540	1300	1360	1250	1130	1240	1420	1190
26	1310	1310	1820	1600	1500	1580	1360	1250	1190	1220	1450	1200
27	1530	1190	1360	1650	1530	677	1360	1220	1250	1200	1380	1170
28	1560	1240	1910	1680	1470	1120	1120	1180	1220	1260	1350	1260
29	1580	1280	1860	1660	---	1440	1340	1000	1180	1310	1380	1240
30	1200	1480	1760	1620	---	1180	1380	800	1180	1320	1180	1470
31	1400	---	1900	1600	---	1240	---	1000	---	1330	1220	---
MONTH	1340	1420	1630	1710	1610	1340	1370	1240	1090	1280	1230	1260

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.0	13.0	3.0	0.0	0.0	1.0	5.0	17.0	20.0	32.0	25.0	25.5
2	11.0	11.0	0.0	0.0	0.0	0.5	2.0	15.0	20.0	29.0	24.0	28.0
3	9.5	7.0	1.5	1.0	0.0	0.0	1.0	15.0	21.5	32.0	27.0	27.0
4	17.0	7.5	2.0	1.0	0.5	0.0	1.5	20.0	21.0	32.5	26.0	21.0
5	17.0	5.0	6.0	1.0	0.0	0.5	4.0	20.0	21.0	27.0	26.0	17.0
6	9.0	6.0	4.0	1.0	0.0	0.5	8.0	22.0	21.0	30.0	27.0	17.0
7	11.0	7.5	3.0	1.0	0.0	0.0	9.5	23.5	21.0	33.5	21.0	21.0
8	15.0	9.0	0.0	1.0	0.0	0.5	6.5	23.0	21.0	24.0	29.0	18.5
9	5.0	7.5	0.0	1.0	0.0	0.0	6.5	23.5	21.0	29.0	29.0	18.0
10	17.0	7.0	5.0	1.0	0.0	0.0	7.5	24.0	21.0	24.0	30.0	22.0
11	16.5	7.0	3.0	0.0	0.0	0.0	12.0	20.0	21.0	25.0	29.5	24.0
12	10.5	7.0	0.0	0.0	0.0	0.0	15.0	21.0	22.0	20.5	30.0	16.0
13	11.0	6.5	0.0	0.0	0.0	0.0	9.0	18.0	24.0	28.5	24.0	16.0
14	12.0	1.0	1.0	0.0	0.0	0.0	10.0	23.0	26.0	20.0	23.0	16.0
15	10.0	4.0	1.0	0.0	0.0	0.0	16.0	20.0	26.0	26.5	21.0	17.0
16	12.0	5.0	0.0	0.0	0.0	0.5	15.0	22.0	29.0	30.0	24.0	18.0
17	17.0	6.0	0.0	0.0	0.0	0.5	16.5	25.0	28.0	24.5	28.5	21.0
18	16.0	6.0	0.0	0.0	0.0	1.5	17.0	27.0	27.0	24.0	30.5	2.5
19	14.0	7.5	0.0	0.0	0.0	4.0	7.0	28.5	26.5	28.0	30.5	17.0
20	11.5	5.0	0.0	0.0	0.0	5.0	13.5	28.0	25.0	28.0	27.0	15.0
21	13.5	4.5	0.0	1.0	0.0	6.0	19.0	29.0	27.0	29.5	31.0	17.0
22	14.5	3.5	0.0	0.0	0.5	4.5	18.0	27.0	30.0	29.5	32.0	18.0
23	16.0	2.5	1.0	0.0	0.0	4.5	19.0	26.0	28.0	28.0	32.0	15.0
24	16.5	4.0	2.0	0.0	0.0	4.0	20.0	30.0	27.5	28.0	27.0	16.0
25	12.0	1.0	0.0	2.0	0.5	2.0	14.0	23.0	27.5	27.5	25.0	16.0
26	13.0	4.0	0.0	1.0	0.5	1.5	15.0	23.5	29.0	29.5	28.0	17.0
27	15.0	1.0	0.5	0.0	0.5	1.5	15.0	24.0	29.0	27.5	29.0	14.5
28	15.5	2.0	0.5	0.0	0.5	4.0	17.0	20.0	29.5	29.0	25.0	15.0
29	15.5	1.0	0.5	0.0	---	2.0	18.0	20.0	29.5	30.0	27.0	17.0
30	14.5	1.0	0.0	0.0	---	2.0	18.0	18.0	32.0	27.5	24.0	16.0
31	14.0	---	0.0	0.0	---	3.0	---	18.0	---	29.0	21.0	---
MONTH	13.5	5.5	1.0	0.5	0.0	1.5	12.0	22.5	25.0	28.0	27.0	18.0

06803555 SALT CREEK AT GREENWOOD, NEBR.

LOCATION.--Lat 40°57'56", long 96°27'01", at center of sec.31, T.12 N., R.9 E., Cass County, at gaging station at county road bridge 0.5 mi (0.8 km) west of Greenwood.

DRAINAGE AREA.--1,051 mi^2 (2,722 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1971 to September 1972.
Sediment records: October 1971 to September 1975.

EXTREMES.--1974-75:
Sediment concentrations: Maximum daily, 3,450 mg/l June 22; minimum daily, 150 mg/l Apr. 2.
Sediment discharge: Maximum daily, 6,220 tons June 22; minimum daily, 28 tons Sept. 23.

Period of record:
Sediment concentrations: Maximum daily, 15,900 mg/l May 18, 1974; minimum daily, 5 mg/l Oct. 9, 1971.
Sediment discharge: Maximum daily, 492,000 tons Oct. 11, 1973; minimum daily, 1.0 ton Oct. 9, 1971.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C) (00010)	INSTANTANEOUS DISCHARGE (CFS) (00061)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)
APR.								
04...	1130	5.5	332	287	257	75	99	100

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	85	445	102	203	347	190	110	470	140
2	77	420	87	154	300	125	109	438	129
3	82	550	122	190	370	190	120	636	206
4	90	480	117	205	400	221	117	530	167
5	90	415	101	139	350	131	117	520	164
6	180	550	267	121	346	113	127	517	177
7	120	500	162	115	338	105	124	480	161
8	104	480	135	116	294	92	108	400	117
9	95	472	121	123	300	100	114	386	119
10	93	465	117	171	314	145	124	460	154
11	106	456	131	124	330	110	117	443	140
12	97	530	139	117	350	111	114	440	135
13	94	568	144	110	381	113	118	445	142
14	91	500	123	111	390	117	118	445	142
15	86	436	101	106	400	114	124	448	150
16	89	430	103	104	410	115	128	450	156
17	96	428	111	104	460	129	126	440	150
18	97	480	126	105	524	149	123	435	144
19	94	554	141	110	460	137	122	430	142
20	91	500	123	102	400	110	122	430	142
21	95	458	117	102	390	107	122	430	142
22	109	400	118	107	380	110	120	424	137
23	108	380	111	103	370	103	129	500	174
24	108	370	108	100	360	97	121	503	164
25	110	380	113	106	349	100	121	450	147
26	107	368	106	108	360	105	123	400	133
27	104	360	101	104	355	100	129	364	127
28	107	370	107	102	410	113	128	350	121
29	157	410	174	104	489	137	124	333	111
30	224	455	275	112	500	151	119	500	161
31	513	700	970	---	---	---	123	565	188
MONTH	3699	---	4873	3678	---	3740	3741	---	4582

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	119	450	145	130	500	176	273	536	395
2	118	400	127	120	480	156	264	450	321
3	128	356	123	125	472	159	235	315	200
4	125	377	127	150	550	223	218	320	188
5	131	398	141	140	600	227	202	325	177
6	124	388	130	130	880	309	248	310	208
7	131	378	134	130	750	263	249	300	202
8	130	355	125	120	600	194	238	295	190
9	135	332	121	118	450	143	222	290	174
10	140	350	132	125	386	130	199	270	145
11	124	380	127	130	330	116	194	260	136
12	110	410	122	130	322	113	181	254	124
13	120	425	138	125	340	115	177	253	121
14	130	457	160	125	360	122	162	320	140
15	130	450	158	130	381	134	166	400	179
16	135	445	162	125	370	125	261	490	345
17	135	460	168	140	395	149	740	880	1760
18	140	510	193	145	410	161	853	1070	2460
19	145	420	164	140	394	149	1230	1650	5480
20	150	327	132	145	410	161	1260	1740	5920
21	160	360	156	150	425	172	851	1010	2320
22	140	346	131	156	440	185	686	630	1170
23	145	350	137	131	410	145	500	500	675
24	165	380	169	130	404	142	400	490	529
25	170	403	185	147	365	145	292	488	385
26	165	450	200	160	331	143	287	500	387
27	160	511	221	163	340	150	766	2120	6040
28	150	510	207	204	420	231	766	1530	3570
29	145	515	202	---	---	---	458	660	816
30	140	510	193	---	---	---	355	450	431
31	130	500	176	---	---	---	334	270	243
MONTH	4270	---	4806	3864	---	4638	13267	---	35431

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	298	200	161	336	700	635	160	658	284
2	263	150	107	304	650	534	327	1410	2550
3	274	180	133	432	661	771	537	3040	4790
4	339	287	263	350	500	472	307	1450	1200
5	357	320	308	313	480	406	189	720	367
6	316	300	256	291	450	354	157	518	220
7	334	340	307	268	410	297	140	500	189
8	420	360	408	243	380	249	131	500	177
9	370	316	316	227	350	215	410	1600	1770
10	325	240	211	212	324	185	419	1480	1670
11	298	175	141	248	690	462	288	890	692
12	280	160	121	241	671	437	233	720	453
13	290	170	133	238	620	398	208	613	344
14	360	350	340	220	553	328	176	570	271
15	307	287	238	192	476	247	171	500	231
16	300	340	275	174	470	221	203	630	345
17	280	422	319	165	465	207	177	550	263
18	350	390	369	162	460	201	461	2160	4200
19	310	360	301	157	457	194	646	3050	5320
20	290	303	237	157	430	182	341	1550	1430
21	350	600	567	142	414	159	293	1450	1150
22	500	800	1080	139	410	154	668	3450	6220
23	800	1400	3020	168	450	204	530	2900	4150
24	465	1270	1590	134	430	156	524	2490	3520
25	350	850	803	128	420	145	336	1140	1030
26	280	700	529	120	413	134	274	740	547
27	314	566	480	109	400	118	236	430	274
28	700	1200	2270	314	1160	1280	220	390	232
29	520	1000	1400	232	860	539	202	400	218
30	435	841	988	213	500	288	188	370	188
31	---	---	---	168	550	249	---	---	---
MONTH	11075	---	17671	6797	---	10421	9152	---	44295

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	186	319	160	198	610	326	76	240	49
2	175	315	149	258	1040	724	79	260	55
3	165	311	139	166	520	233	88	320	76
4	156	330	139	141	463	176	126	540	184
5	143	350	135	137	460	170	129	550	192
6	135	355	129	125	520	176	98	375	99
7	130	356	125	119	638	205	96	365	95
8	134	400	145	116	500	157	79	260	55
9	134	440	159	112	490	148	83	280	63
10	126	484	165	107	508	147	80	265	57
11	113	430	131	102	510	140	94	350	89
12	107	393	114	102	480	132	86	300	70
13	99	550	147	154	590	245	76	230	47
14	92	700	174	136	520	191	72	195	38
15	102	886	244	130	570	200	72	195	38
16	98	850	225	111	450	135	79	250	53
17	97	700	183	106	430	123	80	265	57
18	102	558	154	99	380	102	80	265	57
19	108	540	157	107	430	124	74	215	43
20	323	1210	1060	105	420	119	72	195	38
21	181	850	415	102	400	110	72	195	38
22	293	1040	823	97	370	97	72	190	37
23	228	900	554	90	330	80	71	160	31
24	180	700	340	81	270	59	72	185	36
25	140	630	238	75	240	49	72	175	34
26	120	563	182	83	280	63	74	195	39
27	107	540	156	85	300	69	76	210	43
28	104	490	138	93	340	85	76	210	43
29	110	470	140	105	420	119	79	230	49
30	152	530	218	93	340	85	76	220	45
31	176	590	280	84	290	66	---	---	---
MONTH	4516	---	7518	3619	---	4855	2459	---	1850
YEAR	70137.0		144680.0						

06803565 SALT CREEK ABOVE ASHLAND, NEBR.

LOCATION.--Lat 41°01'34", long 96°24'22", in NW¼NW¼ sec.10, T.12 N., R.9 E., Saunders County, at county road bridge 2 mi (3.2 km) southwest of Ashland.

DRAINAGE AREA.--1,118 mi^2 (2,896 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT. 09...	0930	102	--	--	--	--	--	--	--	--
NOV. 19...	0930	140	27	100	27	1000	7.8	395	0	324
DEC. 18...	0920	145	26	98	28	920	12	398	0	326
JAN. 08...	1415	153	--	--	--	--	--	--	--	--
FEB. 11...	0940	211	--	--	--	--	--	--	--	--
MAR. 04...	1300	266	20	73	24	640	13	301	0	247
APR. 15...	1200	320	--	--	--	--	--	--	--	--
MAY 22...	1030	167	--	--	--	--	--	--	--	--
JUNE 27...	0945	236	20	73	17	590	13	272	0	223
JULY 16...	1015	105	--	--	--	--	--	--	--	--
AUG. 07...	1240	126	--	--	--	--	--	--	--	--
SEP. 17...	0930	98	19	93	30	1300	17	324	0	266

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)
OCT. 09...	--	1400	--	3.9	1.5	3.7	1.3	5.0	8.9	4.0
NOV. 19...	280	1400	.6	1.5	1.5	.06	2.0	2.1	3.6	2.6
DEC. 18...	250	1300	.6	1.5	1.5	4.0	.80	4.8	6.3	2.9
JAN. 08...	--	1600	--	1.4	1.3	2.9	.80	3.7	5.1	2.2
FEB. 11...	--	1400	--	1.6	1.6	5.0	.90	5.9	7.5	2.3
MAR. 04...	170	870	.5	2.0	1.7	3.7	1.5	5.2	7.2	1.7
APR. 15...	--	640	--	1.7	1.7	1.8	.40	2.2	3.9	1.4
MAY 22...	--	1300	--	1.4	1.3	.80	1.3	2.1	3.5	1.6
JUNE 27...	170	780	.6	2.7	--	.55	1.5	2.0	4.7	1.2
JULY 16...	--	1800	--	1.8	--	1.2	1.7	2.9	4.7	3.3
AUG. 07...	--	1700	--	2.1	--	.45	.51	.96	3.1	2.1
SEP. 17...	350	1800	.7	2.8	--	4.0	.00	4.0	6.8	9.5

06803565 SALT CREEK ABOVE ASHLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 09...	3.7	3080	--	4.19	848	--	--	--	5520
NOV. 19...	2.7	3150	3040	4.28	1190	360	37	23	5590
DEC. 18...	2.9	2840	2840	3.86	1110	360	34	21	5010
JAN. 08...	2.1	3410	--	4.64	1410	--	--	--	6030
FEB. 11...	2.4	3000	--	4.08	1710	--	--	--	5310
MAR. 04...	1.3	2000	1970	2.72	1440	280	34	17	3580
APR. 15...	1.1	1580	--	2.15	1370	--	--	--	2760
MAY 22...	1.5	2870	--	3.90	1290	--	--	--	5190
JUNE 27...	.79	1840	1800	2.50	1170	250	29	16	3170
JULY 16...	3.2	3750	--	5.10	1060	--	--	--	5520
AUG. 07...	2.0	3510	--	4.77	1190	--	--	--	5640
SEP. 17...	3.9	3720	3770	5.06	984	360	90	30	5900

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 09...	7.8	11.0	--	10	6.7	17	5800	1050	--
NOV. 19...	7.8	8.0	10	10	7.5	11	10670	2700	530
DEC. 18...	7.5	.2	20	10	9.8	9.4	6000	1850	510
JAN. 08...	7.9	3.0	--	40	11.0	21	400	4400	--
FEB. 11...	7.5	.0	--	10	7.0	10	31000	24000	--
MAR. 04...	7.7	2.0	40	20	9.6	14	8330	11400	350
APR. 15...	7.7	12.0	--	45	8.3	12	8000	333	--
MAY 22...	7.8	24.0	--	20	6.2	--	214	200	--
JUNE 27...	7.3	23.0	35	110	5.3	27	450	660	320
JULY 16...	6.7	24.5	--	15	6.8	16	300	--	--
AUG. 07...	7.6	26.0	--	30	7.5	20	600	300	--
SEP. 17...	7.4	16.5	7	20	7.1	--	660	1100	460

06804495 SILVER CREEK NEAR WAHOO, NEBR.

LOCATION.--Lat 41°12'22", long 96°32'37", in NE¼NE¼NE¼ sec.8, T.14 N., R.8 E., Saunders County, at bridge on county road 3.9 mi (6.3 km) east of intersection of First Street and U.S. Highway 77 in Wahoo.

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.											
23...	1010	4.2	--	--	--	--	--	--	--	--	--
NOV.											
21...	1030	4.8	35	330	310	67	14	30	9.5	287	0
DEC.											
06...	1240	6.8	--	--	--	--	--	--	--	--	--
JAN.											
08...	1000	5.3	--	--	--	--	--	--	--	--	--
FEB.											
13...	1400	5.1	--	--	--	--	--	--	--	--	--
MAR.											
14...	0945	5.8	34	30	430	66	18	43	9.0	292	0
APR.											
03...	1030	9.7	--	--	--	--	--	--	--	--	--
MAY											
12...	1100	7.4	--	--	--	--	--	--	--	--	--
JUNE											
06...	0930	5.9	33	30	190	65	16	27	8.8	283	0
JULY											
15...	1030	4.9	--	--	--	--	--	--	--	--	--
AUG.											
04...	1220	5.0	--	--	--	--	--	--	--	--	--
SEP.											
17...	0800	3.7	34	20	160	63	15	24	9.6	271	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT.										
23...	--	--	16	--	1.2	1.2	.16	.62	.78	2.0
NOV.										
21...	235	39	15	.4	1.5	1.5	.16	.21	.37	1.9
DEC.										
06...	--	--	41	--	1.6	1.4	4.1	1.0	5.1	6.7
JAN.										
08...	--	--	42	--	1.3	1.3	2.4	.30	2.7	4.0
FEB.										
13...	--	--	29	--	1.4	1.5	3.8	.70	4.5	5.9
MAR.										
14...	240	39	37	.6	5.0	1.2	2.9	1.0	3.9	8.9
APR.										
03...	--	--	17	--	4.7	2.1	2.1	1.1	3.2	7.9
MAY										
12...	--	--	14	--	1.5	1.4	1.1	.80	1.9	3.4
JUNE										
06...	232	41	10	.4	1.3	1.3	.06	.56	.62	1.9
JULY										
15...	--	--	10	--	1.2	--	.08	1.1	1.2	2.4
AUG.										
04...	--	--	17	--	1.4	--	.22	2.0	2.2	3.6
SEP.										
17...	222	31	15	.4	1.1	--	.04	.79	.83	1.9

06804495 SILVER CREEK NEAR WAHOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
OCT.										
23...	1.1	.48	354	--	.48	4.01	--	--	--	575
NOV.										
21...	.44	.45	--	359	.49	4.65	230	0	.9	550
DEC.										
06...	.69	.05	408	--	.55	7.49	--	--	--	682
JAN.										
08...	.56	.38	391	--	.53	5.60	--	--	--	599
FEB.										
13...	.54	.46	357	--	.49	4.92	--	--	--	603
MAR.										
14...	.58	.38	--	396	.54	6.20	240	0	1.2	596
APR.										
03...	.50	.26	357	--	.49	9.35	--	--	--	578
MAY										
12...	.49	.32	339	--	.46	6.77	--	--	--	541
JUNE										
06...	.33	.01	--	347	.47	5.53	230	0	.8	539
JULY										
15...	.49	.32	329	--	.45	4.35	--	--	--	529
AUG.										
04...	.82	.28	279	--	.38	3.77	--	--	--	434
SEP.										
17...	.38	.28	--	326	.44	3.26	220	0	.7	525

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)
OCT.										
23...	7.6	12.0	--	8	9.9	9.0	280	400	--	--
NOV.										
21...	7.3	5.0	0	7	12.2	2.6	280	390	--	70
DEC.										
06...	7.3	4.5	--	15	11.8	8.4	400	600	--	--
JAN.										
08...	7.7	3.5	--	8	--	7.0	600	367	--	--
FEB.										
13...	7.8	.5	--	20	12.1	9.4	450	1200	--	--
MAR.										
14...	7.3	.5	8	15	12.0	12	733	1050	3	60
APR.										
03...	7.3	1.0	--	25	11.6	4.3	210	1400	--	--
MAY										
12...	7.5	20.5	--	20	9.3	8.6	5700	360	--	--
JUNE										
06...	7.5	20.0	5	30	9.8	3.3	375	1100	--	70
JULY										
15...	7.6	20.0	--	25	8.9	2.6	1400	1650	--	--
AUG.										
04...	7.8	26.0	--	200	6.0	2.9	1770	4250	--	--
SEP.										
17...	7.2	14.5	2	15	8.1	--	550	1340	7	50

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
23...	--	--	--	--	--	--	--	--	--	--
NOV.										
21...	--	--	--	--	--	--	--	--	--	--
DEC.										
06...	--	--	--	--	--	--	--	--	--	--
JAN.										
08...	--	--	--	--	--	--	--	--	--	--
FEB.										
13...	--	--	--	--	--	--	--	--	--	--
MAR.										
14...	0	10	20	1	.5	.4	.1	4	0	30
APR.										
03...	--	--	--	--	--	--	--	--	--	--
MAY										
12...	--	--	--	--	--	--	--	--	--	--
JUNE										
06...	--	--	--	--	--	--	--	--	--	--
JULY										
15...	--	--	--	--	--	--	--	--	--	--
AUG.										
04...	--	--	--	--	--	--	--	--	--	--
SEP.										
17...	0	10	12	0	.0	.0	.0	3	0	10

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.
(National stream-quality accounting network station)

LOCATION.--Lat 41°00'55", long 96°09'28", in NW¼NW¼ sec.14, T.12 N., R.11 E., Sarpy County, at bridge on State Highway 50, 7 mi (11.3 km) downstream from gaging station near South Bend, 1.0 mi (1.6 km) north of Louisville.

DRAINAGE AREA.--89,800 mi^2 (230,000 km^2), approximately, of which about 71,000 mi^2 (184,000 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: November 1974 to September 1975.
Water temperatures: November 1974 to September 1975.
Sediment records: October 1971 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 1,540 micromhos July 15; minimum daily, 307 micromhos June 23.
Water temperatures: Maximum, 34.0°C Aug. 22; minimum, freezing point on many days during November to April.
Sediment concentrations: Maximum daily, 10,500 mg/l Apr. 29; minimum daily, 176 mg/l July 17.
Sediment discharge: Maximum daily, 466,000 tons Apr. 29; minimum daily, 341 tons Aug. 27.

Period of record:
Sediment concentrations: Maximum daily, 11,600 mg/l May 19, 1974; minimum daily, 110 mg/l on several days in 1974.
Sediment discharge: Maximum daily, 789,000 tons May 19, 1974; minimum daily, 111 tons July 31, 1974.

REMARKS.--Prior to July 1, 1971, sediment records were obtained by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)
NOV. 06...	1350	3560	36	--	--	--	--	--	49	9.6
DEC. 04...	1230	2870	42	880	10	70	30	40	58	13
JAN. 20...	1330	4500	44	--	10	--	--	50	64	14
FEB. 12...	1200	3100	41	--	--	--	--	--	70	15
MAR. 28...	1200	9160	27	15000	7800	520	500	20	49	12
APR. 24...	1500	8350	28	--	--	--	--	--	56	13
MAY 30...	1200	3230	26	--	--	--	--	--	57	14
JULY 18...	1200	1320	30	--	--	--	--	--	64	18
AUG. 01...	1100	1930	27	--	--	--	--	--	54	13
SEP. 24...	1500	1820	28	6800	10	540	530	10	62	15

DATE	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)
NOV. 06...	34	8.3	195	0	160	50	20	.4	.55
DEC. 04...	84	8.4	227	0	186	69	79	.3	.84
JAN. 20...	62	9.4	240	0	197	88	56	.4	.95
FEB. 12...	95	8.7	236	0	194	92	100	.4	1.0
MAR. 28...	53	7.5	179	0	147	78	44	.2	1.4
APR. 24...	50	9.3	201	0	165	70	44	.4	1.5
MAY 30...	84	9.6	203	8	180	84	90	.4	.39
JULY 18...	120	11	247	0	203	100	140	.5	.07
AUG. 01...	42	13	210	0	172	68	31	.4	.08
SEP. 24...	120	11	225	0	185	110	140	.4	.06

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)
NOV. 06...	1.1	1.7	.36	318	303	.43	4090	160	2
DEC. 04...	.74	1.6	.36	462	466	.63	3580	200	14
JAN. 20...	.71	1.7	.34	455	456	.62	5530	220	23
FEB. 12...	.77	1.8	.34	538	538	.73	4500	240	46
MAR. 28...	2.0	3.4	.66	377	367	.51	9320	170	25
APR. 24...	3.3	4.8	.96	390	370	.53	8720	190	29
MAY 30...	1.0	1.4	.46	476	473	.65	4150	200	20
JULY 18...	2.5	2.6	.55	710	605	.97	2530	230	31
AUG. 01...	2.5	2.6	.63	364	352	.50	1900	190	16
SEP. 24...	2.6	2.7	.68	610	597	.83	3000	220	32

DATE	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV. 06...	1.2	478	8.4	9.0	40	--	1200	1840	--
DEC. 04...	2.6	739	7.5	1.0	20	--	12	336	--
JAN. 20...	1.8	693	7.7	.0	9	11.6	170	540	3.6
FEB. 12...	2.7	857	7.5	.5	6	--	2330	900	--
MAR. 28...	1.8	594	7.6	2.0	190	--	4800	11000	18
APR. 24...	1.6	594	7.9	16.5	260	--	3500	2500	--
MAY 30...	2.6	749	8.4	15.5	60	--	1050	1150	--
JULY 18...	3.4	985	6.9	25.0	19	--	100	11	--
AUG. 01...	1.3	551	8.2	26.5	150	--	310	104	--
SEP. 24...	3.5	994	7.9	18.0	80	11.9	280	88	8.0

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
NOV. 06...	1.1	1.7	.36	318	303	.43	4090	160	2
DEC. 04...	.74	1.6	.36	462	466	.63	3580	200	14
JAN. 20...	.71	1.7	.34	455	456	.62	5530	220	23
FEB. 12...	.77	1.8	.34	538	538	.73	4500	240	46
MAR. 28...	2.0	3.4	.66	377	367	.51	9320	170	25
APR. 24...	3.3	4.8	.96	390	370	.53	8720	190	29
MAY 30...	1.0	1.4	.46	476	473	.65	4150	200	20
JULY 18...	2.5	2.6	.55	710	605	.97	2530	230	31
AUG. 01...	2.5	2.6	.63	364	352	.50	1900	190	16
SEP. 24...	2.6	2.7	.68	610	597	.83	3000	220	32

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	TOTAL ORGANIC CARBON (C) (MG/L) (00680)
NOV. 06...	1.2	478	8.4	9.0	40	--	1200	1840	--
DEC. 04...	2.6	739	7.5	1.0	20	--	12	336	--
JAN. 20...	1.8	693	7.7	.0	9	11.6	170	540	3.6
FEB. 12...	2.7	857	7.5	.5	6	--	2330	900	--
MAR. 28...	1.8	594	7.6	2.0	190	--	4800	11000	18
APR. 24...	1.6	594	7.9	16.5	260	--	3500	2500	--
MAY 30...	2.6	749	8.4	15.5	60	--	1050	1150	--
JULY 18...	3.4	985	6.9	25.0	19	--	100	11	--
AUG. 01...	1.3	551	8.2	26.5	150	--	310	104	--
SEP. 24...	3.5	994	7.9	18.0	80	11.9	280	88	8.0

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS-PENDED ARSENIC (AS) (UG/L) (01001)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	SUS-PENDED CAD-MIUM (CD) (UG/L) (01026)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	SUS-PENDED CHRO-MIUM (CR) (UG/L) (01031)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)
DEC.									
04...	7	1	6	10	10	0	10	0	<10
MAR.									
28...	12	7	5	10	8	2	1	--	--
SEP.									
24...	15	4	11	<10	<9	1	10	--	--

DATE	TOTAL COBALT (CO) (UG/L) (01037)	SUS-PENDED COBALT (CO) (UG/L) (01036)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS-PENDED COPPER (CU) (UG/L) (01041)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS-PENDED LEAD (PB) (UG/L) (01050)	DIS-SOLVED LEAD (PB) (UG/L) (01049)
DEC.									
04...	<50	<50	0	20	12	8	100	98	2
MAR.									
28...	<50	<50	0	20	13	7	<100	<100	0
SEP.									
24...	100	100	0	50	46	4	<100	<96	4

DATE	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	SUS-PENDED SELE-NIUM (SE) (UG/L) (01146)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS-PENDED ZINC (ZN) (UG/L) (01091)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
DEC.									
04...	.1	.0	<.1	2	1	1	200	180	20
MAR.									
28...	.1	.1	.0	3	1	2	120	--	--
SEP.									
24...	--	--	.1	1	0	1	80	70	10

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	520	853	794	589	570	537	528	693	572	680	961
2	---	488	781	748	617	572	580	551	744	576	724	1190
3	---	480	750	812	616	503	627	564	707	612	568	928
4	---	470	778	694	727	508	558	596	892	656	625	775
5	---	464	805	772	637	459	487	605	767	708	670	752
6	---	532	790	794	619	452	518	580	541	693	708	670
7	---	534	758	812	660	462	546	596	667	741	737	607
8	---	611	523	852	727	465	564	560	700	895	863	596
9	---	587	747	819	711	501	530	632	808	846	884	590
10	---	776	847	755	731	476	516	608	668	937	1150	742
11	---	557	762	699	811	447	500	641	490	855	877	584
12	---	569	816	760	833	486	479	582	473	965	1150	682
13	---	593	807	1390	885	501	496	609	469	1060	881	628
14	---	635	679	1410	811	495	457	630	477	1010	896	510
15	---	589	761	1230	841	494	490	593	585	1540	908	550
16	---	633	795	1190	707	634	502	573	596	1060	842	576
17	---	740	774	1080	721	550	491	667	645	1130	870	634
18	---	603	802	1100	746	490	530	700	576	1160	868	614
19	---	636	789	1020	689	443	525	671	514	1240	965	546
20	---	634	814	1030	680	412	562	779	320	1350	821	600
21	---	650	810	978	671	401	534	744	373	878	770	560
22	---	595	750	964	704	411	526	816	367	1050	688	618
23	---	621	766	994	661	434	467	779	307	816	695	626
24	---	631	731	602	575	447	518	752	308	642	1080	650
25	---	582	562	554	605	475	535	708	328	404	819	673
26	---	548	555	530	586	533	631	703	378	350	1120	586
27	---	680	554	503	616	561	585	703	435	338	1380	556
28	---	766	825	497	579	501	498	704	488	377	1420	588
29	---	714	843	540	---	493	383	633	505	439	449	569
30	---	572	821	520	---	522	449	766	530	518	962	596
31	558	---	848	550	---	517	---	722	---	690	1100	---
MONTH	---	600	758	838	691	491	521	655	545	810	876	659

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		12.0	0.5	0.0	0.0	0.5	0.0	15.5	18.0	29.5	27.0	24.0
2		12.0	0.0	0.0	0.0	0.0	0.0	15.0	21.0	27.0	30.5	31.0
3		8.0	0.5	0.0	0.0	1.5	2.0	18.0	23.0	29.5	31.5	22.0
4		6.0	0.5	0.0	0.0	0.0	6.5	19.0	25.5	31.5	30.0	19.5
5		6.5	0.5	0.0	0.0	0.5	4.5	23.0	27.0	31.5	30.5	23.0
6		8.0	0.5	0.0	0.0	0.5	6.0	21.0	24.0	31.0	28.5	23.5
7		13.0	0.0	0.0	0.0	0.0	6.5	23.0	21.0	32.0	28.5	22.0
8		10.0	0.0	0.0	0.0	0.5	5.5	21.0	21.0	29.5	30.0	25.5
9		9.0	0.0	0.5	0.0	0.0	6.5	23.0	21.0	29.5	32.0	26.5
10		9.0	0.0	0.5	0.5	0.5	7.0	22.0	20.5	28.5	30.5	29.5
11		6.5	1.0	0.0	0.0	0.0	5.5	19.0	21.5	26.5	29.5	17.0
12		6.5	1.5	0.0	0.0	0.5	8.0	21.5	25.0	24.5	30.0	16.5
13		2.0	1.5	0.0	0.0	0.0	9.0	19.0	25.5	23.0	28.5	16.0
14		3.0	0.0	0.0	0.0	0.0	8.0	21.0	23.0	24.0	30.0	15.5
15		4.5	0.0	0.0	0.0	1.5	9.0	21.0	18.5	24.0	28.0	17.0
16		8.0	0.0	0.0	0.0	1.0	10.5	23.5	20.0	28.5	30.5	18.0
17		4.5	0.0	0.0	0.5	2.0	15.0	21.0	22.0	29.5	28.5	21.5
18		6.5	0.0	0.5	0.5	3.5	8.0	26.0	21.0	30.0	32.0	19.0
19		9.0	0.0	0.0	0.0	4.0	7.0	31.5	24.5	29.5	32.0	18.0
20		9.0	0.0	0.0	0.0	5.0	7.0	25.0	26.5	30.5	32.0	15.5
21		7.0	0.0	0.0	0.5	4.5	15.5	28.0	26.0	26.5	32.0	14.5
22		4.5	0.5	0.0	0.5	5.0	16.5	28.5	23.0	30.0	34.0	19.5
23		5.5	0.0	0.0	0.0	6.0	20.5	25.0	25.0	30.0	30.5	19.0
24		3.5	0.0	0.5	0.5	1.0	15.5	25.0	26.0	30.5	26.5	19.0
25		2.0	0.0	0.0	0.5	0.0	20.0	23.5	26.5	28.5	26.5	19.5
26		3.5	0.0	0.0	0.5	0.0	20.5	20.5	26.5	26.0	29.0	18.5
27		3.5	0.0	0.0	3.5	3.0	19.0	23.0	27.0	26.0	26.5	15.5
28		1.0	0.0	0.0	1.0	3.0	16.0	21.5	28.0	31.0	26.5	16.5
29		0.0	0.0	0.0	---	0.0	16.0	19.0	27.0	32.0	27.0	19.5
30		0.0	0.0	0.0	---	0.0	14.5	19.5	29.0	32.0	27.0	17.0
31		---	0.0	0.0	---	6.5	---	21.5	---	31.5	25.0	---
MONTH		6.0	0.0	0.0	0.5	1.5	10.0	22.0	24.0	29.0	29.5	20.0

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT.							
09...	1330	16.0	2420	236	1540	--	--
DEC.							
04...	1130	.5	3200	270	2330	--	--
FEB.							
12...	1400	.0	3100	370	3100	--	--
MAR.							
28...	1200	2.0	9260	948	23400	--	--
APR.							
10...	1300	5.0	9980	734	19800	--	--
MAY							
30...	1210	15.5	3240	377	3300	--	--
JUNE							
13...	1235	19.0	6070	862	14100	--	--
25...	1320	20.0	18200	3270	161000	41	46
JULY							
18...	1130	25.0	1360	310	1140	--	--
AUG.							
01...	1100	21.5	2080	354	1990	--	--
SEP.							
12...	1250	19.5	1230	222	737	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)	SUS. SED. FALL DIAM. % FINER THAN 2.00 MM (70347)
OCT.							
09...	--	89	90	92	98	100	--
DEC.							
04...	--	42	50	76	100	--	--
FEB.							
12...	--	63	--	--	--	--	--
MAR.							
28...	--	51	95	98	99	100	--
APR.							
10...	--	66	95	97	100	--	--
MAY							
30...	--	48	65	84	100	--	--
JUNE							
13...	--	87	88	95	100	--	--
25...	55	70	76	81	86	99	100
JULY							
18...	--	22	--	--	--	--	--
AUG.							
01...	--	89	93	100	--	--	--
SEP.							
12...	--	70	99	100	--	--	--

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2340	272	1720	4520	405	4940	2300	292	1810
2	2290	268	1660	4680	374	4730	2400	285	1850
3	2190	263	1560	4750	343	4400	2700	278	2030
4	2410	259	1580	4300	312	3620	3200	270	2330
5	2620	254	1800	3800	281	2880	3620	312	3050
6	3230	249	2170	3560	250	2400	3740	355	3580
7	2710	245	1790	3760	300	3050	4170	398	4480
8	2420	240	1570	3070	280	2320	5170	440	6140
9	2500	236	1590	3270	250	2210	3160	383	3270
10	2460	248	1650	2830	240	1830	3240	326	2850
11	2260	260	1590	3690	250	2490	3030	270	2210
12	2430	272	1780	3180	230	1970	2920	260	2050
13	2290	284	1760	3400	240	2200	2990	260	2100
14	2340	296	1870	3350	245	2220	3960	300	3210
15	2340	307	1940	3790	250	2560	4380	350	4140
16	2540	319	2190	3500	760	2460	3840	320	3320
17	2450	331	2190	2840	265	2030	3000	290	2350
18	2870	343	2660	3450	270	2520	2600	260	1830
19	2570	344	2390	3190	270	2330	2600	260	1830
20	2900	345	2700	3960	300	3210	2900	300	2350
21	2980	347	2790	4110	350	3880	3500	340	3210
22	3110	348	2920	3950	300	3200	4100	360	3990
23	2810	263	2000	4660	400	5030	4500	400	4860
24	2670	178	1280	4950	450	6010	5000	430	5800
25	2520	183	1250	5170	450	6280	4500	390	4740
26	2650	188	1350	4910	400	5300	4700	400	5080
27	2790	226	1700	4360	380	4470	4100	360	3990
28	2860	265	2050	3300	350	3120	3800	338	3470
29	2930	300	2370	2600	300	2110	3600	315	3060
30	3570	335	3230	2400	300	1940	3400	292	2680
31	4670	370	4670	---	---	---	3200	270	2330
MONTH	83720	---	63770	113300	---	97710	110320	---	99990

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3000	260	2110	4900	432	5720	7400	405	8090
2	3100	265	2220	5000	446	6020	7000	402	7600
3	3200	270	2330	5000	442	5970	6600	398	7090
4	3000	260	2110	4900	439	5810	7600	395	8110
5	3500	290	2740	4500	376	4570	8000	391	8450
6	3400	280	2570	3800	313	3210	8200	387	8570
7	3500	290	2740	4200	292	3310	7800	384	8090
8	3800	310	3180	3800	270	2770	7600	380	7800
9	4100	360	3990	2800	304	2300	7800	345	7270
10	3800	320	3280	3000	337	2730	8000	310	6700
11	3200	270	2330	3000	371	3000	8000	338	7300
12	2800	265	2000	3000	370	3000	7200	366	7120
13	2600	260	1830	2900	552	4320	6400	340	5880
14	3000	260	2110	3400	632	5800	6200	320	5360
15	3400	290	2660	4000	713	7700	6800	390	7160
16	3300	280	2490	4800	508	6580	7910	406	8670
17	4000	200	2160	5200	302	4240	7690	445	9240
18	4600	198	2460	5200	337	4730	8900	1000	24000
19	4300	195	2260	5000	372	5020	14900	1770	71200
20	4700	193	2450	5600	303	4580	15400	1110	46200
21	4900	191	2530	6200	234	3920	13000	900	31600
22	4600	188	2330	6400	250	4320	12500	1350	45600
23	5200	186	2610	6200	265	4440	10700	960	27700
24	5600	184	2780	6000	281	4550	10400	1130	31700
25	5800	186	2910	7400	446	8910	9300	820	20600
26	5600	188	2840	7200	610	11900	5430	711	10400
27	5400	204	2970	7400	510	10200	6110	852	14100
28	5200	221	3100	7600	409	8390	9190	968	23500
29	5200	312	4380	---	---	---	8930	870	21000
30	5200	403	5660	---	---	---	8250	1030	22900
31	5000	417	5630	---	---	---	7450	1700	34200
MONTH	128000	---	87760	138400	---	148010	266660	---	553200

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	7390	2200	43900	8750	1600	37800	3630	592	5800
2	6440	1720	29900	7840	1210	25600	3410	500	4600
3	5040	1280	17400	7510	826	16700	3820	1850	19100
4	6140	3490	64600	7580	1200	24600	3200	1080	9330
5	7990	6700	145000	6410	1570	27200	3100	317	2650
6	7730	5130	107000	7100	1780	34100	3860	450	4690
7	8670	3410	79800	5300	2000	28600	3290	591	5250
8	7820	2050	43300	6740	2210	40200	3350	460	4160
9	8240	1000	22200	5730	1670	25800	3940	333	3540
10	9560	734	18900	5290	1140	16300	4230	530	6050
11	9950	1050	28200	4830	600	7820	5590	735	11100
12	9510	900	23100	5620	689	10500	6640	800	14300
13	10200	3180	87600	4950	542	7240	6260	862	14600
14	9340	2500	63000	4980	394	5300	5750	730	11300
15	8490	1770	40600	5010	474	6410	6110	593	9780
16	8430	1190	27100	5200	555	7790	5050	460	6270
17	8820	773	18400	4110	500	5550	5730	333	5150
18	8120	778	17100	3860	440	4590	5160	440	6130
19	7920	784	16800	3970	380	4070	16200	4020	208000
20	7050	822	15600	3340	320	2890	17300	3580	167000
21	8100	861	18800	3460	260	2430	18200	4890	240000
22	8240	843	18800	3230	209	1820	17900	4500	217000
23	9030	826	20100	3460	222	2070	26100	5580	393000
24	8660	748	17500	3520	235	2230	23300	5340	336000
25	7680	670	13900	4130	320	3570	20000	3510	190000
26	6220	592	9940	3940	410	4360	17700	2430	116000
27	6980	513	9670	3560	490	4710	14800	1900	75900
28	13300	4080	204000	3870	578	6040	12300	1400	46500
29	15800	10500	466000	3920	478	5060	11200	[illegible]	32700
30	11400	3800	125000	3580	377	3640	9170	[illegible]	22100
31	---	---	---	4060	484	5310	---	---	---
MONTH	258260	---	1813210	154850	---	380300	286290	---	2188000

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	8440	704	16000	1860	354	1780	797	218	469
2	7660	680	14100	1770	351	1680	758	204	418
3	6520	655	11500	1750	350	1650	880	190	451
4	5950	570	9160	1840	349	1730	1080	242	706
5	5230	484	6830	1580	336	1430	1150	295	916
6	5120	445	6150	1590	322	1380	1220	274	903
7	4120	406	4520	1530	320	1320	1200	254	823
8	3260	367	3230	1210	317	1040	1260	247	840
9	3050	328	2700	1180	314	1000	1280	240	829
10	2960	260	2080	1190	312	1000	1050	294	833
11	3030	193	1580	1440	267	1040	1650	347	1550
12	2480	203	1360	1200	222	719	1380	222	827
13	2100	213	1210	1520	225	923	1300	214	751
14	2090	200	1130	1580	229	977	1410	290	1100
15	1870	186	939	1390	232	871	1560	366	1540
16	1560	181	762	1240	316	1060	1790	441	2130
17	1520	176	722	1310	400	1410	1630	374	1650
18	1330	310	1110	1170	296	935	1880	308	1560
19	1180	180	573	996	221	594	1900	306	1570
20	1350	227	827	1080	249	726	1820	304	1490
21	1450	274	1070	1180	277	883	1890	302	1540
22	1490	296	1150	1320	266	948	1800	416	2020
23	1800	320	1560	1090	254	748	1980	529	2830
24	2180	770	4530	792	220	470	1920	334	1730
25	4610	3330	44600	916	186	460	1800	273	1330
26	5240	3760	54500	758	190	389	2060	356	1980
27	5500	3320	50400	687	184	341	2000	438	2370
28	3660	1700	16800	727	247	485	1900	470	2410
29	2900	1120	8770	1340	300	1090	2000	501	2710
30	2390	707	4560	888	247	592	2020	419	2290
31	1990	507	2720	804	232	504	---	---	---
MONTH	104030	---	277183	38928	---	30175	46365	---	42566
YEAR	1729123		5781874						

BIOLOGICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TOTAL COUNT CELLS/ML (60050)	DOMINANT GENERA (Greater than or equal to 15 percent)	PERCENT COMPOSITION	ALGAL GROUP
NOV.				
06...	19,000	CYCLOTELLA	29	Diatom
		SCENEDESMUS	22	Green
DEC.				
06...	77,000	FRAGILARIA	48	Diatom
		OSCILLATORIA	27	Blue-green
JAN.				
20...	130	NITZSCHIA	20	Diatom
		FRAGILARIA	16	Diatom
FEB.				
12...	930	SCENEDESMUS	23	Green
		CYCLOTELLA	23	Diatom
		NITZSCHIA	23	Diatom
MAR.				
28...	6,000	NITZSCHIA	24	Diatom
		EUNOTIA	20	Diatom
APR.				
24...	32,000	FRAGILARIA	49	Diatom
MAY				
30...	130,000	ANACYSTIS	22	Blue-green
		LYNGBYA	19	Blue-green
		NITZSCHIA	19	Diatom
		SCENEDESMUS	18	Green
JULY				
18...	240,000	ANABAENA	64	Blue-green
AUG.				
01...	33,000	SCENEDESMUS	32	Green
		CYCLOTELLA	17	Diatom
		AGMENELLUM	16	Blue-green
SEP.				
24...	230,000	SCENEDESMUS	36	Green

PERIPHYTON

DATE	EXPOSURE TIME, DAYS	BIOMASS ASH WEIGHT G/M^2 (00572)	BIOMASS DRY WEIGHT G/M^2 (00573)	UNCORRECTED PERIPHYTON CHLOROPHYLL B MG/M^2 (32226)	UNCORRECTED PERIPHYTON CHLOROPHYLL A MG/M^2 (32228)
DEC.					
04...	28	.80	---	.2	.2

06805570 PLATTE RIVER AT LA PLATTE, NEBR.

LOCATION.--Lat 41°03'34", long 95°55'38", in NE¼NE¼ sec.34, T.13 N., R.13 E., Sarpy County, at bridge on U.S. Highways 73 and 75, 2.7 mi (4.7 km) upstream from mouth, and 1.0 mi (1.6 km) south of La Platte.

PERIOD OF RECORD.--Chemical analyses: February 1974 to June 1975 (discontinued).

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)
OCT.												
01...	1100	2100	224	0	184	--	8.0	11.0	35	--	11.6	33
16...	1100	2220	226	0	185	--	8.0	10.0	30	--	10.2	933
30...	1100	3300	220	0	180	--	8.0	14.0	30	--	8.9	267
NOV.												
13...	1100	3700	206	0	169	--	7.4	4.0	40	--	11.9	1170
25...	1130	3900	202	0	166	--	7.4	1.5	30	--	13.2	67
DEC.												
10...	1115	2800	214	0	176	--	7.8	.5	30	--	14.2	140
23...	1100	4200	220	0	180	--	7.6	.5	25	--	11.6	46
JAN.												
07...	1215	3760	240	0	197	985	7.7	.5	10	--	12.8	153
21...	1145	4000	246	0	202	773	7.8	.5	10	--	12.0	340
FEB.												
07...	1115	4000	224	0	184	641	7.6	1.0	10	--	11.2	92
19...	1100	4000	220	0	180	--	8.0	.5	10	--	12.6	150
MAR.												
04...	1120	7000	208	0	171	566	7.8	.2	--	25	12.9	133
19...	1140	8500	168	0	138	630	7.9	2.5	--	135	13.6	4400
APR.												
01...	1300	7700	214	0	176	590	7.5	1.0	--	80	13.8	767
16...	1145	8900	211	0	173	577	7.4	12.0	--	55	10.5	33
30...	1130	13200	215	0	176	459	7.5	--	--	1000	9.2	>20000
MAY												
13...	1130	4940	220	0	180	757	8.1	18.5	--	55	9.6	900
29...	1000	4100	204	0	167	889	7.6	19.0	--	150	8.7	7000
JUNE												
10...	1130	4000	204	0	167	880	8.1	--	--	140	9.2	1370
24...	1200	24500	--	--	--	442	7.5	27.0	--	700	7.1	8670

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MANGANESE (MN) (UG/L) (01055)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
OCT.									
01...	1100	2630	287	51	14	89	8.2	62	99
16...	1100	--	221	50	16	93	7.9	81	111
30...	1100	2770	348	55	15	92	8.4	84	109
NOV.									
13...	1100	3000	211	70	13	66	8.0	82	66
DEC.									
10...	1115	3240	200	58	14	88	8.4	85	107
23...	1100	1400	101	56	14	70	5.1	73	70
JAN.									
07...	1215	630	49	58	16	75	5.8	75	72
21...	1145	650	61	64	17	77	5.7	91	80
FEB.									
07...	1115	690	44	58	13	50	7.2	82	36
19...	1100	900	68	62	13	64	7.3	91	62
MAR.									
04...	1120	1920	85	55	13	44	7.2	77	28
APR.									
01...	1300	4300	188	65	22	47	4.4	147	16
16...	1145	4500	191	55	15	44	18	83	32
30...	1130	650	345	38	2.0	4.0	3.0	<10	2.0
MAY									
13...	1130	5600	296	57	15	79	22	100	81
29...	1000	11600	516	56	16	98	24	89	118
JUNE									
10...	1130	12200	580	52	14	105	10	81	92
24...	1200	59100	1900	56	19	38	12	193	30

PLATTE RIVER BASIN

06805570 PLATTE RIVER AT LA PLATTE, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
OCT.									
01...	--	--	--	--	--	.55	490	106	22
16...	.30	<.03	--	.85	1.1	.42	532	98	12
30...	.20	.14	.76	.90	1.1	.50	512	157	22
NOV.									
13...	.80	.13	.58	.71	1.5	.35	108	--	14
DEC.									
10...	.90	.35	.18	.53	1.4	.38	552	64	13
23...	.90	.37	.44	.81	1.7	.37	448	56	16
JAN.									
07...	.90	.29	.17	.46	1.4	.33	500	18	4
21...	1.0	.38	.36	.74	1.7	.33	510	20	11
FEB.									
07...	.90	.22	.54	.76	1.7	.29	402	22	22
19...	1.0	.33	.06	.39	1.4	.31	488	35	11
MAR.									
04...	.80	.22	.33	.55	1.3	.27	368	73	10
APR.									
01...	1.0	.29	.34	.63	1.6	.22	434	186	19
16...	.80	.05	1.6	1.6	2.4	.46	378	268	26
30...	2.6	.47	.43	.90	3.5	.17	158	25	5
MAY									
13...	.10	.04	.78	.82	.92	.44	492	224	33
29...	.30	.11	1.4	1.4	1.8	1.4	580	414	45
JUNE									
10...	.05	.08	1.3	1.4	1.5	.78	552	456	49
24...	.30	.09	1.1	1.2	1.5	1.3	324	2150	125

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)
OCT.									
01...	--	--	<5	5	19	--	<50	.2	<20
16...	--	--	<5	7	16	--	<50	<.1	<20
30...	--	--	16	<5	364	--	0	3.0	100
NOV.									
13...	--	--	<5	<5	5	--	<50	.5	<20
DEC.									
10...	6.3	<5	--	5	--	13	40	.2	--
23...	<4.0	<5	--	8	10	--	<5	.2	--
JAN.									
07...	13	<5	--	7	11	--	<5	.1	--
21...	--	<5	--	7	21	--	<5	.3	--
FEB.									
07...	4.5	<5	--	<5	19	--	<5	--	--
19...	20	<5	--	<5	15	--	7	--	--
MAR.									
04...	7.2	1	--	<5	14	--	<5	--	--
APR.									
01...	15	2	--	<5	6	--	6	--	--
16...	28	3	--	8	17	--	9	--	--
30...	9.2	4	--	7	131	--	9	--	--
MAY									
13...	15	1	--	13	22	--	7	--	--
29...	15	3	--	19	22	--	11	--	--
JUNE									
10...	17	2	--	23	23	--	14	--	--
24...	54	2	--	46	76	--	59	--	--

06805600 MISSOURI RIVER AT PLATTSMOUTH, NEBR.

LOCATION.--Lat 41°00'04", long 95°51'59", in NE¼NW¼ sec.20, T.12 N., R.14 E., Cass County, at toll bridge on U.S. Highway 34, 1.0 mi (1.6 km) southeast of Plattsmouth.

PERIOD OF RECORD.--Chemical analyses: February 1974 to June 1975 (discontinued).

REMARKS.--Some chemical analyses by Surveillance and Analysis Division, U.S. Environmental Protection Agency, Kansas City, Kans.

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	TURBIDITY (NTU) (00076)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)
OCT.												
01...	1020	36800	216	0	177	--	7.9	13.0	25	--	9.7	16000
16...	1000	39300	220	0	180	--	7.8	12.0	25	--	9.7	11670
30...	1000	38600	228	0	187	--	8.1	14.0	25	--	8.5	19200
NOV.												
13...	1000	38500	216	0	177	--	7.7	6.0	20	--	10.6	23000
25...	1030	38000	220	0	180	--	7.5	3.0	25	--	12.4	12000
DEC.												
10...	1015	21800	208	0	171	--	8.0	2.0	30	--	13.8	11300
23...	1000	23100	232	0	190	--	7.7	.5	20	--	11.2	9800
JAN.												
07...	1030	22300	220	0	180	767	7.6	1.0	15	--	13.3	30300
21...	1330	24500	230	0	189	776	7.7	.5	10	--	14.0	3800
FEB.												
07...	1015	20800	236	0	194	767	7.6	1.0	10	--	12.2	2000
19...	1000	23200	220	0	180	--	7.5	1.0	10	--	13.2	1100
MAR.												
04...	1010	26400	200	0	164	645	7.8	.2	--	20	12.0	10200
19...	1030	32500	176	0	143	648	7.3	2.5	--	70	12.8	7200
APR.												
01...	1200	39900	256	0	210	658	7.4	1.0	--	60	13.6	43000
16...	1015	47100	214	0	176	674	7.2	9.0	--	55	11.3	4400
30...	1000	61200	195	0	160	581	7.6	--	--	700	8.5	25000
MAY												
13...	1010	42800	228	0	187	718	7.4	18.0	--	42	8.0	21300
29...	1100	45600	204	0	167	720	7.4	19.0	--	50	8.3	16300
JUNE												
10...	1230	45800	208	0	171	729	8.1	--	--	100	7.9	19700
24...	1100	77300	--	--	--	516	7.5	27.0	--	700	6.8	31000

DATE	TIME	TOTAL IRON (FE) (UG/L) (01045)	TOTAL MANGANESE (MN) (UG/L) (01055)	TOTAL CALCIUM (CA) (MG/L) (00916)	TOTAL MAGNESIUM (MG) (MG/L) (00927)	TOTAL SODIUM (NA) (MG/L) (00929)	TOTAL POTASSIUM (K) (MG/L) (00937)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
OCT.									
01...	1020	1950	149	56	22	68	5.4	174	26
16...	1000	--	148	56	23	66	5.2	174	25
30...	1000	2660	204	57	21	68	5.8	170	34
NOV.									
13...	1000	2540	143	74	19	59	5.9	160	26
DEC.									
10...	1015	2310	132	55	16	71	7.1	100	45
23...	1000	1300	98	63	21	63	4.5	150	28
JAN.									
07...	1030	870	58	63	24	70	3.8	180	16
21...	1330	660	51	68	24	69	4.0	178	27
FEB.									
07...	1015	5	50	67	23	64	4.7	223	7.0
19...	1000	1200	538	64	19	69	6.4	165	38
MAR.									
04...	1010	1360	73	57	17	55	6.2	109	31
19...	1030	7070	259	59	18	53	5.7	142	16
APR.									
01...	1200	5300	192	61	14	45	7.4	72	47
16...	1015	5700	251	69	25	50	12	155	9.0
30...	1000	61000	1810	71	26	38	21	168	9.0
MAY									
13...	1010	4000	198	62	23	57	12	195	13
29...	1000	3500	197	58	21	66	12	173	16
JUNE									
10...	1230	4610	225	56	22	64	5.0	192	9.0
24...	1100	55400	2050	63	23	40	10	115	11

06805600 MISSOURI RIVER AT PLATTSMOUTH, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1974 TO JUNE 1975

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)
OCT.									
01...	.10	.10	.20	.30	.40	.20	518	98	12
16...	.20	.14	.65	.79	.99	.19	514	108	8
30...	.10	.30	.42	.72	.82	.20	480	82	14
NOV.									
13...	.40	.15	.60	.75	1.1	.21	100	--	7
DEC.									
10...	.70	.49	1.0	1.5	2.2	.34	460	76	14
23...	.50	.38	.57	.95	1.4	.24	474	22	25
JAN.									
07...	.30	.39	.90	1.2	1.6	.17	520	32	11
21...	.30	.34	.31	.65	.95	.13	530	28	13
FEB.									
07...	.30	.26	.27	.53	.83	.12	514	30	12
19...	.60	.35	.00	.35	.95	.22	740	30	7
MAR.									
04...	.60	.30	.40	.70	1.3	.25	438	76	13
19...	.50	.30	.78	1.0	1.6	.44	406	336	36
APR.									
01...	1.0	.33	.54	.87	1.9	.46	392	226	35
16...	1.5	.24	1.1	1.3	2.8	.40	416	278	33
30...	1.8	.56	3.7	4.3	6.1	1.8	422	1940	142
MAY									
13...	1.0	.08	.68	.76	1.8	.24	488	166	21
29...	.50	.23	.45	.68	1.2	.30	514	138	18
JUNE									
10...	.60	.05	.50	.55	1.1	.29	490	226	16
24...	1.3	.08	1.8	1.9	3.2	1.2	388	1880	115

DATE	TOTAL ORGANIC CARBON (C) (MG/L) (00680)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	TOTAL COPPER (CU) (UG/L) (01042)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	TOTAL MERCURY (HG) (UG/L) (71900)	TOTAL NICKEL (NI) (UG/L) (01067)
OCT.									
01...	--	--	<5	<5	29	--	<50	.2	<20
16...	--	--	<5	--	33	--	<50	.1	<20
30...	--	--	6	<5	13	--	<50	1.3	<40
NOV.									
13...	--	--	<5	<5	10	--	<50	.3	<20
DEC.									
10...	7.8	<5	--	<5	--	14	<20	.2	--
23...	<4.0	<5	--	8	13	--	<5	.2	--
JAN.									
07...	28	<5	--	8	12	--	<5	.3	--
21...	9.0	<5	--	7	22	--	<5	.5	--
FEB.									
07...	5.0	<5	--	<5	17	--	5	--	--
19...	8.5	6	--	<5	254	--	260	--	--
MAR.									
04...	6.7	<0	--	<5	14	--	<5	--	--
19...	18	3	--	<5	24	--	14	--	--
APR.									
01...	6.5	2	--	<5	8	--	10	--	--
16...	36	<1	--	9	23	--	6	--	--
30...	60	7	--	52	74	--	28	--	--
MAY									
13...	12	2	--	9	14	--	<5	--	--
29...	7.5	2	--	5	19	--	5	--	--
JUNE									
10...	11	2	--	12	11	--	<5	--	--
24...	52	4	--	46	72	--	44	--	--

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.

LOCATION.--Lat 40°47'46", long 95°54'17", in NE¼NE¼NW¼ sec. 36, T.10 N., R.13 E., Cass County, at county road bridge 1.1 mi (1.8 km) downstream from gaging station, 1.6 mi (2.6 km) southeast of Union, and 3.9 mi (6.3 km) downstream from South Branch Weeping Water Creek.

PERIOD OF RECORD.--Chemical analyses: October 1972 to September 1975.
Water temperatures: October 1972 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 612 micromhos Mar. 4; minimum daily, 286 micromhos Mar. 21.
Water temperatures: Maximum, 31.0°C July 30, Aug. 21, 23, 24; minimum, freezing point on Jan. 14, 31.

Period of record:
Specific conductance: Maximum daily, 705 micromhos Dec. 11, 1972; minimum daily, 159 micromhos Oct. 11, 1973.
Water temperatures: Maximum, 31.0°C on several days in 1974, 1975; minimum, freezing point on several days during December to February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 02...	0950	20	20	30	40	66	18	28	4.0	299	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT. 02...	245	37	8.3	.3	3.3	.24	344	.47	18.6	240	0

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 02...	.8	553	7.6	7.0	5	20	10.0	2.8	967	0

06806501 WEEPING WATER CREEK NEAR UNION, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	553	528	554	568	542	495	489	533	514	540	529	484
2	545	539	559	554	543	488	510	537	521	522	443	493
3	541	531	565	559	544	491	522	534	517	525	511	501
4	542	529	584	574	518	612	518	530	506	526	515	511
5	558	534	578	578	535	506	518	534	518	526	540	495
6	559	531	557	558	548	476	514	534	533	529	534	518
7	547	540	542	568	561	476	527	373	535	526	532	525
8	546	548	563	550	561	471	531	479	538	533	518	514
9	555	529	568	547	571	477	545	511	521	531	501	533
10	551	533	574	532	558	484	532	526	496	529	517	521
11	547	532	566	550	572	491	528	524	508	529	514	511
12	557	542	557	565	548	499	536	505	507	526	513	517
13	554	547	542	578	552	504	538	512	523	526	508	514
14	557	549	537	580	552	515	536	533	530	528	488	460
15	561	546	538	582	552	527	523	553	536	524	482	504
16	553	550	536	594	553	513	536	558	526	519	504	539
17	559	546	550	592	544	384	525	558	534	525	511	532
18	559	554	564	564	542	360	522	558	377	521	521	509
19	556	556	573	546	545	345	524	552	355	512	527	521
20	556	557	567	557	542	291	524	565	455	519	528	536
21	556	556	569	558	541	286	524	556	494	533	525	532
22	553	558	552	572	536	362	514	563	464	495	528	536
23	557	558	553	563	552	397	511	558	466	499	530	534
24	553	557	553	563	544	422	503	557	499	513	534	533
25	550	561	574	546	538	438	511	317	342	537	443	534
26	555	565	580	546	518	480	510	501	459	525	425	545
27	552	568	579	546	514	408	514	508	512	524	436	540
28	555	560	568	543	504	377	454	443	522	506	461	534
29	547	561	560	542	---	397	493	466	532	520	482	528
30	522	559	552	541	---	430	510	487	536	525	509	525
31	485	---	538	549	---	481	---	486	---	534	517	---
MONTH	550	547	560	560	544	448	518	515	496	523	504	519

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	14.5	3.0	2.0	0.5	1.5	4.0	16.5	20.5	29.0	29.5	29.0
2	12.5	14.0	2.5	2.0	1.0	1.0	2.5	16.0	20.0	29.0	29.0	29.0
3	15.0	10.5	2.0	1.0	1.0	1.0	4.5	18.5	22.0	29.0	29.0	23.0
4	17.0	10.0	2.0	1.0	1.0	1.5	6.0	20.0	23.5	29.0	29.0	21.0
5	16.0	8.0	2.0	1.0	0.5	2.0	9.0	22.0	24.0	29.5	29.0	22.0
6	15.5	8.0	2.5	1.0	0.5	1.5	10.0	21.5	24.5	30.0	29.0	21.0
7	14.5	9.0	2.5	1.0	1.0	2.0	9.0	20.0	24.0	30.0	27.0	23.5
8	15.0	8.5	2.0	1.5	0.5	1.5	8.0	20.5	22.0	29.5	28.0	23.5
9	15.0	9.0	1.5	1.5	0.5	1.0	10.5	20.5	21.5	29.0	29.5	23.5
10	17.0	10.0	2.0	1.0	1.0	2.0	9.0	21.0	20.0	29.0	29.5	24.5
11	17.0	8.5	1.0	1.0	1.0	2.0	9.5	18.5	21.5	25.0	29.5	19.0
12	15.0	5.5	1.0	1.0	0.5	2.0	10.5	20.5	20.5	25.0	30.0	19.5
13	14.5	5.0	1.5	1.0	0.5	2.0	10.5	18.0	22.0	25.5	27.0	20.0
14	13.5	4.5	1.5	0.0	1.0	2.5	10.5	19.0	21.5	26.0	24.0	17.5
15	14.0	4.5	1.5	1.0	1.0	3.0	12.5	20.0	21.5	28.0	26.0	17.0
16	14.5	5.0	1.0	1.0	1.0	3.0	15.0	20.0	24.5	29.0	27.5	18.0
17	15.5	5.0	0.5	0.5	1.0	2.5	18.0	21.5	25.5	29.0	28.0	19.0
18	16.0	5.5	1.0	1.0	1.0	4.0	13.0	24.0	22.0	30.0	29.0	19.0
19	16.0	7.0	1.0	0.5	1.0	4.0	12.0	25.0	24.5	29.0	29.0	19.0
20	16.0	6.5	1.0	1.0	1.0	5.0	12.5	24.0	26.5	30.0	29.5	15.5
21	16.0	6.5	1.5	1.0	1.0	5.0	15.0	26.0	26.0	28.0	31.0	17.0
22	17.5	6.5	2.0	1.0	1.0	7.0	17.0	26.0	25.0	27.0	30.0	17.0
23	17.5	6.0	1.5	1.5	0.5	9.0	18.5	24.0	24.5	27.0	31.0	17.0
24	17.0	5.0	0.5	2.0	1.0	5.0	18.5	22.5	26.0	28.0	31.0	15.0
25	14.5	3.0	1.0	1.5	1.0	4.0	19.0	17.0	27.0	28.0	24.0	15.5
26	15.5	4.0	1.5	1.5	1.0	3.0	18.0	21.0	28.0	29.5	25.5	15.5
27	15.5	4.0	1.5	0.5	1.0	3.5	18.5	21.5	28.5	30.5	28.0	16.5
28	15.5	3.5	1.5	0.5	1.5	4.0	17.0	20.0	29.5	29.0	25.5	16.5
29	16.0	2.5	1.5	1.0	---	4.0	18.0	20.0	30.0	30.5	27.0	16.5
30	15.0	2.5	1.5	1.0	---	2.0	15.0	19.0	29.5	31.0	27.5	14.5
31	15.0	---	1.5	0.0	---	6.0	---	20.0	---	30.5	27.5	---
MONTH	15.5	6.5	1.5	1.0	1.0	3.0	12.5	21.0	24.0	28.5	28.5	19.5

06811500 LITTLE NEMAHA RIVER AT AUBURN, NEBR.

LOCATION.--Lat 40°23'33", long 98°48'46", in NE¼NW¼ sec.23, T.5 N., R.14 E., Nemaha County, at gaging station on U.S. Highway 136, 1 mi (1.6 km) east of Auburn.

DRAINAGE AREA.--793 mi^2 (2,054 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT. 25...	1130	64	--	--	--	--	--	--	--	--	--
NOV. 14...	1700	78	--	--	--	--	--	--	--	--	--
DEC. 17...	1340	50	19	10	130	81	18	39	3.9	322	0
JAN. 15...	1030	68	--	--	--	--	--	--	--	--	--
FEB. 25...	1330	100	--	--	--	--	--	--	--	--	--
MAR. 21...	1245	1000	10	40	0	30	8.2	14	5.7	136	0
APR. 10...	0820	190	--	--	--	--	--	--	--	--	--
MAY 20...	1230	80	--	--	--	--	--	--	--	--	--
JUNE 10...	1400	180	18	90	40	68	17	36	5.1	292	0
JULY 22...	1140	71	--	--	--	--	--	--	--	--	--
AUG. 14...	1030	29	--	--	--	--	--	--	--	--	--
SEP. 23...	1345	30	17	20	130	78	19	39	4.5	313	0

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT. 25...	--	--	17	--	.48	.42	.15	.61	.76	1.2
NOV. 14...	--	--	16	--	1.6	1.6	.16	.54	.70	2.3
DEC. 17...	264	55	18	.3	2.0	1.9	.29	.46	.75	2.8
JAN. 15...	--	--	22	--	2.2	2.0	.19	4.0	4.2	6.4
FEB. 25...	--	--	15	--	2.2	2.2	.30	.45	.75	3.0
MAR. 21...	112	26	4.7	.3	2.2	2.2	.45	3.0	3.4	5.6
APR. 10...	--	--	12	--	2.5	2.5	.13	.68	.81	3.3
MAY 20...	--	--	17	--	1.1	.95	.19	.79	.98	2.1
JUNE 10...	240	47	13	.4	1.5	1.2	.27	.93	1.2	2.7
JULY 22...	--	--	19	--	.18	--	.22	.69	.91	1.1
AUG. 14...	--	--	17	--	.29	--	.27	.64	.91	1.2
SEP. 23...	257	60	20	.3	.16	--	.33	.61	.94	1.1

06811500 LITTLE NEMAHA RIVER AT AUBURN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 25...	.46	.45	391	--	.53	67.6	--	--	--	655
NOV. 14...	.51	.37	402	--	.55	84.7	--	--	--	634
DEC. 17...	.53	.54	--	401	.55	80.1	280	16	1.0	656
JAN. 15...	.30	.26	457	--	.62	83.9	--	--	--	735
FEB. 25...	.40	.29	389	--	.53	111	--	--	--	617
MAR. 21...	1.5	.16	--	176	.24	475	110	0	.6	299
APR. 10...	.34	.29	347	--	.47	17.8	--	--	--	592
MAY 20...	3.4	.43	390	--	.53	85.2	--	--	--	635
JUNE 10...	.49	.03	--	354	.48	172	240	0	1.0	580
JULY 22...	.31	.19	320	--	.44	61.3	--	--	--	526
AUG. 14...	.30	.22	369	--	.50	28.9	--	--	--	609
SEP. 23...	.27	.26	--	392	.53	31.8	270	16	1.0	634

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 25...	7.9	14.4	--	10	9.2	5.5	3100	1160	--	--
NOV. 14...	7.6	4.5	--	25	11.4	1.9	6300	1500	--	--
DEC. 17...	7.6	.5	5	25	13.2	3.1	6000	1600	--	70
JAN. 15...	7.5	.0	--	10	11.9	2.8	600	408	--	--
FEB. 25...	7.9	.5	--	10	11.4	2.4	610	200	--	--
MAR. 21...	7.3	12.0	60	350	11.1	4.4	4400	21000	1	40
APR. 10...	7.3	8.5	--	60	9.9	1.8	900	1750	--	--
MAY 20...	7.5	27.0	--	20	9.6	3.4	--	2900	--	--
JUNE 10...	7.5	20.0	10	85	10.3	3.7	6000	2150	--	70
JULY 22...	8.1	22.0	--	25	9.6	2.3	11300	[illegible]	--	--
AUG. 14...	8.0	22.0	--	20	8.8	4.5	8330	4800	--	--
SEP. 23...	7.7	18.0	3	10	11.4	--	900	250	6	70

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 25...	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--	--
JAN. 15...	--	--	--	--	--	--	--	--	--	--
FEB. 25...	--	--	--	--	--	--	--	--	--	--
MAR. 21...	2	0	9	0	.1	.0	.1	2	0	10
APR. 10...	--	--	--	--	--	--	--	--	--	--
MAY 20...	--	--	--	--	--	--	--	--	--	--
JUNE 10...	--	--	--	--	--	--	--	--	--	--
JULY 22...	--	--	--	--	--	--	--	--	--	--
AUG. 14...	--	--	--	--	--	--	--	--	--	--
SEP. 23...	2	10	5	2	.1	.0	.1	1	0	10

06815000 BIG NEMAHA RIVER AT FALLS CITY, NEBR.

LOCATION.--Lat 40°02'00", long 95°35'30", on line between secs.22 and 23, T.1 N., R.16 E., Richardson County, at gaging station at bridge on U.S. Highway 73, 1 mi (1.6 km) south of Falls City.

DRAINAGE AREA.--1,340 mi^2 (3,471 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1950 to July 1951, March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT.											
25...	0830	67	--	--	--	--	--	--	--	--	--
NOV.											
15...	1030	91	--	--	--	--	--	--	--	--	--
DEC.											
17...	1120	80	13	50	180	96	24	64	4.6	344	0
JAN.											
15...	1300	80	--	--	--	--	--	--	--	--	--
FEB.											
25...	1130	170	--	--	--	--	--	--	--	--	--
MAR.											
20...	1615	1120	9.6	40	0	37	8.8	13	4.9	137	0
APR.											
09...	0930	330	--	--	--	--	--	--	--	--	--
MAY											
20...	1700	147	--	--	--	--	--	--	--	--	--
JUNE											
11...	1030	2380	9.8	90	20	57	15	18	7.0	206	0
JULY											
22...	1600	289	--	--	--	--	--	--	--	--	--
AUG.											
14...	0800	56	--	--	--	--	--	--	--	--	--
SEP.											
23...	1630	42	7.3	40	30	73	22	43	4.8	260	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT.										
25...	--	--	34	--	.29	.29	.30	.68	.98	1.3
NOV.										
15...	--	--	27	--	1.6	1.6	.06	1.2	1.3	2.9
DEC.										
17...	282	95	61	.3	1.3	1.3	1.1	.30	1.4	2.7
JAN.										
15...	--	--	45	--	1.7	1.7	.64	.86	1.5	3.2
FEB.										
25...	--	--	30	--	2.0	2.0	.77	.73	1.5	3.5
MAR.										
20...	112	31	6.7	.4	2.1	2.1	.33	2.0	2.3	4.4
APR.										
09...	--	--	19	--	1.8	1.8	.05	.40	.45	2.3
MAY										
20...	--	--	23	--	.36	.29	.17	1.3	1.5	1.9
JUNE										
11...	169	45	13	.3	3.5	3.8	.50	4.5	5.0	8.5
JULY										
22...	--	--	17	--	.08	--	.08	1.1	1.2	1.3
AUG.										
14...	--	--	30	--	.40	--	.17	1.0	1.2	1.6
SEP.										
23...	213	96	35	.2	.25	--	.12	1.2	1.3	1.6

06815000 BIG NEMAHA RIVER AT FALLS CITY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
OCT. 25...	.32	.31	477	--	.65	82.4	--	--	--	794
NOV. 15...	.51	.36	488	--	.66	120	--	--	--	763
DEC. 17...	.82	.50	--	533	.72	77.7	340	58	1.5	900
JAN. 15...	.35	.28	586	--	.80	127	--	--	--	963
FEB. 25...	.69	.35	479	--	.65	283	--	--	--	772
MAR. 20...	.33	.16	--	188	.26	569	130	16	.5	324
APR. 09...	.36	.24	413	--	.56	368	--	--	--	665
MAY 20...	.27	.09	403	--	.55	160	--	--	--	670
JUNE 11...	.84	.26	--	284	.39	2230	200	35	.5	463
JULY 22...	.47	.13	321	--	.44	250	--	--	--	531
AUG. 14...	.35	.21	437	--	.59	66.1	--	--	--	690
SEP. 23...	.24	.17	--	410	.56	1.33	270	60	1.1	675

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 25...	8.0	16.7	--	10	7.3	4.2	9080	1020	--	--
NOV. 15...	7.6	3.5	--	15	12.1	3.7	16000	30000	--	--
DEC. 17...	7.9	.5	5	9	11.9	3.9	25500	5000	--	110
JAN. 15...	7.5	.5	--	8	14.3	3.2	5400	2700	--	--
FEB. 25...	8.0	.5	--	20	11.1	3.2	3100	2600	--	--
MAR. 20...	7.3	11.0	50	500	11.2	3.7	4000	17200	2	50
APR. 09...	7.2	7.0	--	50	12.1	2.7	2100	600	--	--
MAY 20...	7.1	27.0	--	35	12.0	5.2	--	212	--	--
JUNE 11...	7.6	19.0	45	300	7.9	7.6	6670	278000	--	20
JULY 22...	8.0	22.0	--	90	11.8	4.5	17700	12600	--	--
AUG. 14...	7.9	23.5	--	30	6.6	3.2	7200	2200	--	--
SEP. 23...	8.3	21.0	4	5	17.8	--	800	40	4	100

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 25...	--	--	--	--	--	--	--	--	--	--
NOV. 15...	--	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--	--
JAN. 15...	--	--	--	--	--	--	--	--	--	--
FEB. 25...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	3	0	25	2	.1	.0	.1	2	0	30
APR. 09...	--	--	--	--	--	--	--	--	--	--
MAY 20...	--	--	--	--	--	--	--	--	--	--
JUNE 11...	--	--	--	--	--	--	--	--	--	--
JULY 22...	--	--	--	--	--	--	--	--	--	--
AUG. 14...	--	--	--	--	--	--	--	--	--	--
SEP. 23...	1	10	3	4	.0	.0	.0	1	0	10

06835500 FRENCHMAN CREEK AT CULBERTSON, NEBR.

LOCATION.--Lat 40°14'05", long 100°52'40", in SW¼SE¼ sec.12, T.3 N., R.32 W., Hitchcock County, at gaging station at bridge on U.S. Highways 6 and 34, 2 mi (3.2 km) west of Culbertson and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--2,770 mi^2 (7,170 km^2), approximately, of which about 1,470 mi^2 (3,810 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT. 22...	0930	58	--	--	--	--	--	--	--	--
NOV. 19...	0940	80	--	--	--	--	--	--	--	--
DEC. 17...	1420	68	--	--	--	--	--	--	--	--
JAN. 14...	1030	60	60	64	18	23	14	294	0	241
FEB. 13...	0940	100	--	--	--	--	--	--	--	--
MAR. 14...	0900	100	--	--	--	--	--	--	--	--
APR. 09...	1200	44	--	--	--	--	--	--	--	--
MAY 16...	1115	44	--	--	--	--	--	--	--	--
JUNE 26...	1445	76	--	--	--	--	--	--	--	--
AUG. 01...	1030	200	--	--	--	--	--	--	--	--
13...	0900	15	48	65	22	32	19	320	0	262
SEP. 10...	1200	48	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)
OCT. 22...	--	--	--	--	--	--	--	--	--
NOV. 19...	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--
JAN. 14...	38	7.3	.9	2.5	.04	381	.52	61.7	230
FEB. 13...	--	--	--	--	--	--	--	--	--
MAR. 14...	--	--	--	--	--	--	--	--	--
APR. 09...	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--
JUNE 26...	--	--	--	--	--	--	--	--	--
AUG. 01...	--	--	--	--	--	--	--	--	--
13...	53	7.7	.9	3.7	.11	422	.57	17.1	250
SEP. 10...	--	--	--	--	--	--	--	--	--

06835500 FRENCHMAN CREEK AT CULBERTSON, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	DISSOLVED BORON (B) (UG/L) (01020)
OCT.									
22...	--	--	490	7.9	11.5	--	35	8.9	--
NOV.									
19...	--	--	460	7.9	4.5	--	90	10.8	--
DEC.									
17...	--	--	465	7.6	.5	--	50	13.1	--
JAN.									
14...	0	.7	554	7.4	.0	3	20	13.6	100
FEB.									
13...	--	--	410	7.7	1.0	--	95	14.1	--
MAR.									
14...	--	--	460	7.7	1.0	--	55	13.2	--
APR.									
09...	--	--	610	7.9	13.0	--	25	10.2	--
MAY									
16...	--	--	560	8.0	17.0	--	60	10.6	--
JUNE									
26...	--	--	600	7.7	25.0	--	90	7.7	--
AUG.									
01...	--	--	270	8.0	22.5	--	1300	7.7	--
13...	0	.9	560	8.0	18.0	10	25	9.1	130
SEP.									
10...	--	--	500	7.5	21.0	--	50	9.2	--

06837000 REPUBLICAN RIVER AT MC COOK, NEBR.

LOCATION.--Lat 40°11'15", long 100°37'05", in SW¼NE¼ sec.32, T.3 N., R.29 W., Red Willow County, temperature recorder at gaging station at bridge on U.S. Highway 83 at south edge of McCook, 2.5 mi (4.0 km) downstream from Driftwood Creek and 10.5 mi (16.9 km) upstream from Red Willow Creek.

DRAINAGE AREA.--12,310 mi² (31,900 km²), approximately, of which about 6,260 mi² (16,200 km²) contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: December 1966 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 35.0°C July 5, 6; minimum, freezing point on many days during November to February.

Period of record:
Water temperatures: Maximum, 38.5°C June 24, 1971; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	8.0	4.0	2.0	0.5	0.0	0.5	0.0	0.5	0.0	13.5	3.0
2	17.0	6.5	5.0	1.0	0.5	0.0	0.5	0.5	5.0	0.5	8.0	1.0
3	21.0	10.5	6.0	1.5	0.5	0.0	0.5	0.0	3.0	1.5	5.0	1.0
4	21.0	13.0	9.5	2.0	0.5	0.0	0.5	0.0	2.0	0.0	5.5	1.5
5	15.0	10.5	9.5	2.0	0.0	0.0	0.5	0.0	1.5	0.0	8.0	3.0
6	14.5	8.5	7.0	1.5	5.0	0.0	0.5	0.0	1.0	0.0	11.0	6.0
7	17.0	6.0	8.5	5.0	4.0	0.0	0.5	0.0	0.5	0.0	10.5	5.0
8	19.5	7.0	7.0	4.0	0.5	0.0	0.5	0.0	0.0	0.0	7.0	3.0
9	19.0	8.0	9.5	5.5	1.5	0.0	0.5	0.0	0.5	0.0	6.0	2.0
10	23.0	11.5	9.5	4.0	3.0	0.0	0.0	0.0	0.5	0.0	4.0	1.5
11	18.5	13.0	8.5	3.5	3.0	0.0	0.0	0.0	0.5	0.0	2.0	1.0
12	13.5	10.0	9.0	2.0	4.0	0.0	0.0	0.0	0.5	0.0	8.0	0.5
13	19.0	9.5	7.0	2.0	1.5	0.0	0.0	0.0	0.5	0.0	6.0	1.0
14	14.5	8.5	6.0	0.5	0.0	0.0	0.5	0.0	0.5	0.0	7.0	0.5
15	15.0	4.0	8.0	1.0	0.0	0.0	0.5	0.0	2.0	0.5	8.5	3.0
16	17.0	6.5	9.5	3.5	0.5	0.0	0.0	0.0	1.5	0.5	9.0	4.0
17	19.0	8.0	10.0	2.0	0.5	0.0	0.5	0.0	0.5	0.0	9.0	1.5
18	17.0	8.5	8.5	3.5	1.0	0.0	0.5	0.0	1.5	0.5	12.0	4.5
19	18.0	7.0	10.0	4.5	3.0	0.0	0.0	0.0	1.0	0.5	13.5	5.0
20	16.5	7.0	9.0	1.5	3.0	0.0	0.5	0.0	1.0	0.0	15.0	7.0
21	18.5	9.5	9.0	1.5	3.5	0.0	0.5	0.0	0.5	0.0	11.5	9.0
22	18.0	10.0	9.5	2.0	4.0	0.0	0.5	0.0	0.5	0.0	9.5	7.0
23	17.5	10.0	7.0	5.0	3.0	0.0	1.0	0.0	2.0	0.5	9.5	6.5
24	16.5	10.5	6.5	0.5	0.0	0.0	2.0	0.0	1.0	0.5	10.0	5.0
25	15.0	10.0	8.0	1.0	0.0	0.0	4.0	0.5	5.5	0.0	7.0	5.0
26	16.0	9.5	6.5	3.0	0.0	0.0	6.5	1.0	6.5	0.0	5.0	3.0
27	16.5	10.0	5.5	0.0	0.5	0.0	3.5	1.0	9.0	1.0	8.0	3.0
28	13.0	9.0	4.0	0.5	0.0	0.0	1.0	0.0	10.5	1.5	5.0	2.5
29	14.0	8.0	1.0	0.5	0.5	0.0	0.5	0.0	---	---	4.5	1.5
30	14.0	8.0	0.5	0.0	0.5	0.0	1.5	0.5	---	---	4.0	1.0
31	12.0	4.0	---	---	0.5	0.5	1.5	0.5	---	---	5.5	1.5
MONTH	23.0	4.0	10.0	0.0	5.0	0.0	6.5	0.0	10.5	0.0	15.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.5	1.5	17.0	10.0	24.0	16.5	32.0	25.0	28.0	23.0	29.0	21.0
2	3.5	1.0	21.5	11.0	22.0	16.0	32.0	25.5	30.5	25.5	25.0	21.0
3	3.5	1.0	23.0	10.5	31.5	19.0	33.0	24.5	31.0	25.5	22.0	18.5
4	5.5	2.0	23.0	13.0	31.0	19.5	34.0	25.0	32.0	26.0	19.5	18.0
5	6.0	2.5	25.0	14.0	32.0	19.0	35.0	25.0	25.5	20.0	23.0	16.5
6	8.5	3.5	23.0	13.0	30.5	20.0	35.0	26.5	25.5	20.0	24.5	16.5
7	9.0	3.5	22.0	10.0	31.5	18.0	34.0	27.0	26.0	20.0	24.0	18.0
8	11.5	5.5	23.0	11.5	24.5	19.0	31.0	26.5	24.0	20.0	24.0	15.5
9	14.0	7.0	23.5	13.5	20.0	19.5	28.0	24.0	27.5	20.0	27.0	16.0
10	14.0	7.0	18.0	14.5	20.0	18.5	28.5	24.5	28.5	20.5	29.0	18.0
11	12.5	7.0	21.5	13.0	19.5	17.0	29.0	24.0	28.0	22.0	23.5	14.5
12	13.0	6.0	18.0	13.0	20.5	18.0	28.5	23.0	30.0	20.5	23.5	13.0
13	10.5	6.5	15.5	13.0	23.5	19.5	28.5	22.0	24.5	19.0	20.0	14.5
14	8.0	6.0	24.5	11.5	23.5	21.5	29.5	23.0	21.0	18.0	15.5	13.5
15	10.0	4.5	24.5	14.0	24.0	19.5	30.0	25.0	25.5	18.0	23.0	15.0
16	11.0	5.5	25.0	15.5	25.5	19.5	29.5	25.0	27.0	20.5	24.0	14.0
17	15.5	7.5	27.0	15.5	25.5	16.5	30.5	24.5	28.0	21.0	25.0	15.5
18	14.5	4.5	27.0	18.5	21.0	18.0	31.5	25.5	28.5	21.0	21.0	16.5
19	9.5	4.5	26.5	17.0	28.0	20.5	32.0	26.5	28.5	20.5	18.5	14.0
20	10.5	5.0	26.5	16.5	31.0	22.0	30.0	26.0	29.5	21.0	18.0	10.5
21	12.5	8.5	28.0	15.5	24.0	21.0	28.5	26.0	31.0	21.0	17.0	10.5
22	14.0	12.0	25.0	19.0	24.0	20.5	29.0	25.0	31.5	21.5	17.0	10.0
23	18.0	14.0	28.5	16.5	26.5	22.0	30.0	25.0	31.5	21.0	18.0	10.0
24	19.5	14.0	30.0	15.5	27.0	22.0	29.5	25.0	31.0	20.5	17.0	10.5
25	23.5	13.5	29.0	17.0	28.5	24.0	29.0	24.5	27.0	18.0	16.5	9.5
26	25.0	16.5	26.0	16.0	28.0	23.5	29.0	24.0	28.5	16.5	18.0	10.5
27	25.0	14.5	20.5	16.5	28.5	23.0	29.5	24.5	29.5	20.0	18.0	12.0
28	19.5	10.5	21.0	15.5	30.0	24.0	31.0	25.0	29.0	20.5	16.5	13.0
29	19.0	9.0	19.0	16.0	30.5	24.0	30.5	26.5	27.0	21.0	18.0	10.5
30	19.5	9.0	26.5	14.5	31.5	24.5	30.5	27.0	26.5	20.0	17.0	13.0
31	---	---	25.0	16.5	---	---	29.0	25.0	28.5	21.0	---	---
MONTH	25.0	1.0	30.0	10.0	32.0	16.0	35.0	22.0	32.0	16.5	29.0	9.5

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.

LOCATION.--Lat 40°16'50", long 100°32'20", in SW¼SE¼ sec.25, T.4 N., R.29 W., Red Willow County, at county road bridge 3 mi (4.8 km) north and 2 mi (3.2 km) west of Red Willow schoolhouse and about 6 mi (9.7 km) northeast of McCook.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1975.

REMARKS.--Discharges estimated from records for Red Willow Creek near McCook, Nebr. (sta 06837500) and Red Willow Creek near Red Willow, Nebr. (sta 06838000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT. 22...	0830	9.0	--	--	--	--	--	--	--	--
NOV. 19...	1040	8.0	--	--	--	--	--	--	--	--
DEC. 17...	1325	8.0	--	--	--	--	--	--	--	--
JAN. 14...	1330	11	56	74	23	38	13	298	0	244
FEB. 13...	0840	8.5	--	--	--	--	--	--	--	--
MAR. 14...	1015	8.0	--	--	--	--	--	--	--	--
APR. 09...	1445	8.5	--	--	--	--	--	--	--	--
MAY 16...	1245	7.0	--	--	--	--	--	--	--	--
JUNE 26...	1350	10	--	--	--	--	--	--	--	--
AUG. 01...	1215	87	--	--	--	--	--	--	--	--
13...	1245	25	21	48	15	21	19	239	0	195

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)
OCT. 22...	--	--	--	--	--	--	--	--	--
NOV. 19...	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--
JAN. 14...	23	68	.7	1.7	.02	450	.61	13.4	280
FEB. 13...	--	--	--	--	--	--	--	--	--
MAR. 14...	--	--	--	--	--	--	--	--	--
APR. 09...	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--
JUNE 26...	--	--	--	--	--	--	--	--	--
AUG. 01...	--	--	--	--	--	--	--	--	--
13...	25	14	.9	.19	.10	282	.38	19.0	180

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.									
22...	--	--	650	7.8	12.0	--	70	8.1	--
NOV.									
19...	--	--	660	7.9	6.0	--	50	10.8	--
DEC.									
17...	--	--	670	7.8	2.0	--	30	13.8	--
JAN.									
14...	35	1.0	726	7.3	.5	5	50	12.6	80
FEB.									
13...	--	--	640	7.7	1.0	--	25	13.2	--
MAR.									
14...	--	--	690	7.6	1.0	--	45	13.4	--
APR.									
09...	--	--	620	7.9	14.0	--	90	10.6	--
MAY									
16...	--	--	670	7.7	20.0	--	250	7.9	--
JUNE									
26...	--	--	580	7.7	22.0	--	40	8.3	--
AUG.									
01...	--	--	450	8.2	23.5	--	340	8.0	--
13...	0	.7	400	8.0	21.0	15	100	8.1	90

06842500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.

LOCATION.--Lat 40°22'20", long 100°13'20", at center of sec.25, T.5 N., R.26 W., Frontier County, at gaging station 0.5 mi (0.8 km) downstream from Medicine Creek Dam and 6.5 mi (10.5 km) northwest of Cambridge.

DRAINAGE AREA.--880 mi^2 (2,280 km^2), approximately, of which about 640 mi^2 (1,700 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
OCT. 21...	1100	3.2	--	--	--	--	--	--	--	--
NOV. 18...	1500	1.0	--	--	--	--	--	--	--	--
DEC. 17...	1030	1.6	--	--	--	--	--	--	--	--
JAN. 13...	1500	1.9	36	55	17	17	16	275	0	226
FEB. 12...	1030	1.7	--	--	--	--	--	--	--	--
MAR. 10...	1545	.60	--	--	--	--	--	--	--	--
APR. 08...	1550	.80	--	--	--	--	--	--	--	--
MAY 22...	1330	1.4	--	--	--	--	--	--	--	--
JUNE 17...	1615	141	--	--	--	--	--	--	--	--
AUG. 01...	1345	7.1	--	--	--	--	--	--	--	--
13...	1400	340	15	36	4.7	12	15	146	11	138

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)
OCT. 21...	--	--	--	--	--	--	--	--	--
NOV. 18...	--	--	--	--	--	--	--	--	--
DEC. 17...	--	--	--	--	--	--	--	--	--
JAN. 13...	20	5.3	.5	.65	.00	305	.41	1.56	210
FEB. 12...	--	--	--	--	--	--	--	--	--
MAR. 10...	--	--	--	--	--	--	--	--	--
APR. 08...	--	--	--	--	--	--	--	--	--
MAY 22...	--	--	--	--	--	--	--	--	--
JUNE 17...	--	--	--	--	--	--	--	--	--
AUG. 01...	--	--	--	--	--	--	--	--	--
13...	17	6.0	.5	.16	.03	188	.26	173	110

DATE	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 21...	--	--	400	7.8	12.0	--	20	9.1	--
NOV. 18...	--	--	425	7.8	5.5	--	--	12.9	--
DEC. 17...	--	--	425	8.2	.5	--	7	15.3	--
JAN. 13...	0	.5	480	7.6	1.0	5	6	12.6	70
FEB. 12...	--	--	410	7.8	2.0	--	5	14.1	--
MAR. 10...	--	--	440	7.9	4.0	--	4	15.5	--
APR. 08...	--	--	430	7.6	12.0	--	15	11.9	--
MAY 22...	--	--	375	7.5	19.0	--	15	9.2	--
JUNE 17...	--	--	340	7.7	2.0	--	10	10.2	--
AUG. 01...	--	--	320	8.3	26.0	--	25	8.5	--
13...	0	.5	340	8.1	24.0	15	20	8.1	50

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.

LOCATION.--Lat 40°07'53", long 99°30'08", in NE¼NE¼ sec.19, T.2 N., R.19 W., Harlan County, at gaging station at bridge on State Highway 89, 200 ft (61 m) downstream from Burlington Northern Inc. bridge, 2 mi (3.2 km) west of Orleans, 2.8 mi (4.5 km) upstream from Sappa Creek, and 23 mi (37.0 km) upstream from Harlan County Dam.

DRAINAGE AREA.--15,640 mi^2 (40,500 km^2), approximately, of which about 8,910 mi^2 (23,100 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT.											
01...	1050	54	--	--	--	--	--	--	--	--	--
29...	1030	135	40	10	0	69	20	43	17	322	0
NOV.											
11...	0930	143	--	--	--	--	--	--	--	--	--
25...	1000	142	--	--	--	--	--	--	--	--	--
DEC.											
23...	0930	150	--	--	--	--	--	--	--	--	--
JAN.											
20...	1000	150	43	40	20	68	20	38	14	312	0
FEB.											
18...	1000	140	--	--	--	--	--	--	--	--	--
MAR.											
12...	0915	175	--	--	--	--	--	--	--	--	--
APR.											
14...	1015	165	35	10	0	71	22	45	16	322	0
MAY											
27...	1000	40	--	--	--	--	--	--	--	--	--
JUNE											
24...	1500	1100	--	--	--	--	--	--	--	--	--
JULY											
07...	1100	180	--	--	--	--	--	--	--	--	--
22...	1000	1800	18	430	70	35	8.6	13	14	176	0
AUG.											
06...	1145	199	--	--	--	--	--	--	--	--	--
20...	1315	25	--	--	--	--	--	--	--	--	--
SEP.											
04...	1220	91	--	--	--	--	--	--	--	--	--
16...	1315	105	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT.										
01...	--	--	--	--	--	--	--	--	--	--
29...	264	69	21	.8	1.1	.99	.13	.76	.89	2.0
NOV.										
11...	--	--	--	--	--	--	--	--	--	--
25...	--	--	20	--	1.8	1.8	.08	.32	.40	2.2
DEC.										
23...	--	--	21	--	2.3	2.3	.14	.20	.34	2.6
JAN.										
20...	256	65	21	.7	2.3	2.1	.15	.43	.58	2.9
FEB.										
18...	--	--	19	--	2.1	2.1	.11	.35	.46	2.6
MAR.										
12...	--	--	21	--	2.1	2.1	.09	.59	.68	2.8
APR.										
14...	264	77	22	1.0	1.3	1.3	.04	.36	.40	1.7
MAY										
27...	--	--	23	--	.53	.55	.07	1.1	1.2	1.7
JUNE										
24...	--	--	7.7	--	.83	--	.04	4.5	4.5	5.3
JULY										
07...	--	--	--	--	--	--	--	--	--	--
22...	144	20	5.5	.5	1.2	--	.22	8.1	8.3	9.5
AUG.										
06...	--	--	--	--	--	--	--	--	--	--
20...	--	--	18	--	.03	--	.00	1.2	1.2	1.2
SEP.										
04...	--	--	--	--	--	--	--	--	--	--
16...	--	--	19	--	1.0	--	.00	1.3	1.3	2.3

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT.										
01...	--	--	--	--	--	--	--	--	--	620
29...	.31	.14	--	443	.60	161	250	0	1.2	650
NOV.										
11...	--	--	--	--	--	--	--	--	--	670
25...	.39	.25	461	--	.63	177	--	--	--	706
DEC.										
23...	.24	.21	460	--	.63	186	--	--	--	630
JAN.										
20...	.25	.19	--	433	.59	175	250	0	1.0	580
FEB.										
18...	.20	.18	433	--	.59	164	--	--	--	630
MAR.										
12...	.26	.17	447	--	.61	211	--	--	--	630
APR.										
14...	.21	.16	--	454	.62	202	270	4	1.2	625
MAY										
27...	.34	.22	490	--	.67	52.9	--	--	--	620
JUNE										
24...	.88	.36	204	--	.28	606	--	--	--	330
JULY										
07...	--	--	--	--	--	--	--	--	--	575
22...	2.5	.19	--	202	.27	982	120	0	.5	260
AUG.										
06...	--	--	--	--	--	--	--	--	--	525
20...	.36	.15	450	--	.61	30.4	--	--	--	630
SEP.										
04...	--	--	--	--	--	--	--	--	--	520
16...	.37	.17	446	--	.61	126	--	--	--	660

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.										
01...	8.2	10.0	--	15	10.6	--	--	--	--	--
29...	7.9	14.0	20	40	8.9	5.6	320	390	--	80
NOV.										
11...	8.1	5.5	--	25	11.0	--	--	--	--	--
25...	8.2	5.0	--	15	12.9	7.0	62	120	--	--
DEC.										
23...	8.0	.0	--	13	14.3	6.4	25	150	--	--
JAN.										
20...	8.0	.5	3	10	13.6	1.6	620	100	21	110
FEB.										
18...	7.9	.0	--	8	13.0	1.8	280	120	--	--
MAR.										
12...	8.0	.0	--	40	14.3	2.2	1000	210	--	--
APR.										
14...	8.2	8.0	6	20	12.4	2.0	320	120	--	140
MAY										
27...	7.6	17.0	--	25	9.6	2.4	920	620	--	--
JUNE										
24...	7.5	24.0	--	180	7.2	4.4	>70000	9100	--	--
JULY										
07...	8.0	26.0	--	50	8.1	--	--	--	--	--
22...	7.4	27.0	65	1800	5.9	4.6	>12000	55400	6	80
AUG.										
06...	7.6	25.0	--	120	8.1	--	--	--	--	--
20...	7.6	30.0	--	50	10.4	5.3	800	330	--	--
SEP.										
04...	8.0	19.0	--	65	9.1	--	--	--	--	--
16...	8.0	17.0	--	60	10.2	--	3000	380	--	--

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CADMIUM (CD) (UG/L) (01025)	DIS-SOLVED CHROMIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELENIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
01...	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
NOV.										
11...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
DEC.										
23...	--	--	--	--	--	--	--	--	--	--
JAN.										
20...	0	0	4	10	--	--	--	2	0	50
FEB.										
18...	--	--	--	--	--	--	--	--	--	--
MAR.										
12...	--	--	--	--	--	--	--	--	--	--
APR.										
14...	--	--	--	--	--	--	--	--	--	--
MAY										
27...	--	--	--	--	--	--	--	--	--	--
JUNE										
24...	--	--	--	--	--	--	--	--	--	--
JULY										
07...	--	--	--	--	--	--	--	--	--	--
22...	14	20	47	22	2.5	.0	2.5	1	0	260
AUG.										
06...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
SEP.										
04...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.

LOCATION.--Lat 40°04'05", long 98°22'25", in SW¼NE¼ sec.7, T.1 N., R.9 W., Webster County, at gaging station 300 ft (91 m) upstream from Willow Creek, 0.2 mi (0.3 km) downstream from Courtland diversion dam, and 2 mi (3.2 km) southwest of Guide Rock.

DRAINAGE AREA.--22,040 mi^2 (57,100 km^2), approximately, of which about 14,550 mi^2 (37,700 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: November 1961 to September 1975.

REMARKS.--Some of the chemical analyses by Kansas State Department of Health, Topeka, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)
OCT.											
10...	1725	91	24	70	--	78	17	31	11	260	0
29...	1415	112	31	20	50	79	15	31	11	280	0
NOV.											
18...	1615	108	28	--	--	88	16	28	9.2	290	0
25...	1345	103	--	--	--	--	--	--	--	--	--
DEC.											
16...	1500	114	31	--	--	88	13	28	8.5	280	0
23...	1415	128	--	--	--	--	--	--	--	--	--
JAN.											
20...	1400	139	28	30	20	77	14	25	9.1	265	0
20...	1500	140	29	--	--	78	13	25	7.5	260	0
FEB.											
18...	1530	109	--	--	--	--	--	--	--	--	--
19...	1500	115	31	--	--	83	16	26	8.0	280	0
MAR.											
12...	1415	142	--	--	--	--	--	--	--	--	--
31...	1545	122	28	--	--	88	18	29	9.0	290	0
APR.											
14...	1400	171	20	10	0	75	14	28	9.4	254	0
21...	1445	145	23	60	0	80	16	29	8.8	270	0
MAY											
21...	1400	1.0	29	--	--	77	13	25	8.5	260	0
27...	1745	45	--	--	--	--	--	--	--	--	--
JUNE											
16...	1415	271	26	--	--	85	15	31	12	280	0
24...	1000	1200	--	--	--	--	--	--	--	--	--
JULY											
22...	1500	345	10	90	20	45	15	31	16	201	0
23...	1350	497	12	--	--	43	14	25	15	180	0
AUG.											
18...	1645	205	15	--	--	61	14	34	15	240	0
20...	0900	171	--	--	--	--	--	--	--	--	--
SEP.											
16...	0910	30	--	--	--	--	--	--	--	--	--
22...	1500	159	27	--	--	70	17	33	12	250	0

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
OCT.										
10...	213	90	20	.3	--	--	--	--	--	--
29...	230	80	17	.4	.56	.55	.09	.46	.55	1.1
NOV.										
18...	238	85	20	.3	--	--	--	--	--	--
25...	--	--	17	--	1.1	1.1	.06	.37	.43	1.5
DEC.										
16...	230	78	19	.3	--	--	--	--	--	--
23...	--	--	16	--	1.3	1.3	.09	.36	.45	1.8
JAN.										
20...	217	74	16	.3	1.2	1.2	.10	.53	.63	1.8
20...	213	70	17	.3	--	--	--	--	--	--
FEB.										
18...	--	--	16	--	1.4	1.3	.09	.32	.41	1.8
19...	230	69	18	.3	--	--	--	--	--	--
MAR.										
12...	--	--	19	--	1.3	1.3	.09	.44	.53	1.8
31...	238	90	23	.3	--	--	--	--	--	--
APR.										
14...	208	78	18	.3	.47	.46	.06	.26	.32	.79
21...	221	84	20	.3	--	--	--	--	--	--
MAY										
21...	213	58	22	.3	--	--	--	--	--	--
27...	--	--	18	--	.27	.27	.04	1.4	1.4	1.7
JUNE										
16...	230	92	22	.4	--	--	--	--	--	--
24...	--	--	7.3	--	.91	.91	.13	6.3	6.4	7.3
JULY										
22...	165	66	17	.7	.42	--	.00	1.1	1.1	1.5
23...	148	52	18	.6	--	--	--	--	--	--
AUG.										
18...	197	79	19	.7	--	--	--	--	--	--
20...	--	--	17	--	.65	--	.00	.67	.67	1.3
SEP.										
16...	--	--	18	--	.78	--	.00	.47	.47	1.3
22...	205	88	22	.3	--	--	--	--	--	--

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA+MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT.										
10...	.14	--	630	402	.86	155	264	50	.8	630
29...	.16	.16	--	405	.55	122	260	30	.8	647
NOV.										
18...	.19	--	438	420	.60	128	290	48	.7	660
25...	.22	.17	424	--	.58	118	--	--	--	653
DEC.										
16...	.25	--	424	410	.58	131	270	41	.7	640
23...	.25	.13	413	--	.56	143	--	--	--	600
JAN.										
20...	.21	.15	--	379	.52	142	250	33	.7	591
20...	.21	--	382	372	.52	144	250	36	.7	580
FEB.										
18...	.16	.12	398	--	.54	117	--	--	--	623
19...	.19	--	415	395	.56	129	270	43	.7	630
MAR.										
12...	.55	.30	437	--	.59	168	--	--	--	641
31...	.17	--	436	429	.59	144	290	58	.7	660
APR.										
14...	.14	.09	--	370	.50	171	250	37	.8	597
21...	.16	--	400	395	.54	157	260	48	.8	620
MAY										
21...	.16	--	375	361	.51	1.01	250	34	.7	570
27...	.20	.09	401	--	.55	48.7	--	--	--	596
JUNE										
16...	.28	--	424	423	.58	310	270	46	.8	690
24...	.81	.30	201	--	.27	651	--	--	--	307
JULY										
22...	.32	.12	--	300	.41	279	170	9	1.0	497
23...	.23	--	283	274	.38	380	170	15	.8	480
AUG.										
18...	.20	--	346	357	.47	192	210	13	1.0	600
20...	.24	.15	356	--	.48	164	--	--	--	580
SEP.										
16...	.18	.19	431	--	.59	34.9	--	--	--	630
22...	.25	--	415	395	.56	178	250	40	.9	630

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT.										
10...	7.7	21.5	--	85	--	--	--	--	--	110
29...	8.1	15.0	10	--	--	2.0	--	--	--	10
NOV.										
18...	8.1	8.0	--	35	--	--	--	--	--	140
25...	8.0	4.5	--	15	12.9	1.8	<3	160	--	--
DEC.										
16...	8.0	.5	--	15	--	--	--	--	--	170
23...	8.1	2.0	--	15	14.5	1.3	4	120	--	--
JAN.										
20...	7.7	1.0	0	--	--	2.6	--	--	7	40
20...	8.3	1.0	--	45	--	--	--	--	--	110
FEB.										
18...	8.0	.0	--	8	13.8	2.1	44	41	--	--
19...	7.9	.5	--	7	--	--	--	--	--	90
MAR.										
12...	8.1	3.0	--	20	13.8	1.9	<3	16	--	--
31...	7.9	11.5	--	15	--	--	--	--	--	140
APR.										
14...	8.1	9.0	2	10	12.4	.9	490	240	--	80
21...	7.8	18.5	--	7	--	--	--	--	--	140
MAY										
21...	8.0	29.0	--	7	--	--	--	--	--	80
27...	8.2	21.0	--	20	9.8	3.6	370	420	--	--
JUNE										
16...	7.7	26.5	--	65	--	--	--	--	--	90
24...	7.5	22.0	--	180	7.0	5.3	>50000	29000	--	--
JULY										
22...	7.5	27.0	35	70	7.6	2.2	>12000	20400	6	100
23...	7.6	27.5	--	900	--	--	--	--	--	150
AUG.										
18...	8.0	29.0	--	45	--	--	--	--	--	90
20...	7.9	25.0	--	30	8.1	4.8	580	600	--	--
SEP.										
16...	8.0	16.0	--	10	9.6	--	7600	380	--	--
22...	7.8	21.0	--	60	--	--	--	--	--	150

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.										
10...	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--
NOV.										
18...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
DEC.										
16...	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--
JAN.										
20...	0	10	3	2	--	--	--	3	0	50
20...	--	--	--	--	--	--	--	--	--	--
FEB.										
18...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
MAR.										
12...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
APR.										
14...	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--
MAY										
21...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
JUNE										
16...	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
JULY										
22...	3	0	10	3	3.1	.0	3.1	2	0	100
23...	--	--	--	--	--	--	--	--	--	--
AUG.										
18...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
SEP.										
16...	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--

06880000 LINCOLN CREEK NEAR SEWARD, NEBR.

LOCATION.--Lat 40°54'47", long 97°08'43", in NW¼NE¼ sec.24, T.11 N., R.2 E., Seward County, at gaging station at county road bridge 2 mi (3.2 km) west of Seward.

DRAINAGE AREA.--446 mi^2 (1,155 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 08...	1000	6.0	--	--	--	--	--	--	--	--	--
NOV. 05...	1030	7.2	--	--	--	--	--	--	--	--	--
DEC. 03...	1040	6.0	35	30	140	78	15	33	7.5	330	0
JAN. 06...	1320	8.4	--	--	--	--	--	--	--	--	--
FEB. 20...	1210	7.3	--	--	--	--	--	--	--	--	--
MAR. 11...	1040	13	24	40	150	60	13	23	8.5	251	0
APR. 03...	1400	24	--	--	--	--	--	--	--	--	--
MAY 15...	1000	23	--	--	--	--	--	--	--	--	--
JUNE 03...	1330	13	30	40	30	56	12	21	10	230	0
JULY 14...	1400	26	--	--	--	--	--	--	--	--	--
AUG. 05...	1200	24	--	--	--	--	--	--	--	--	--
SEP. 26...	1300	5.8	28	30	100	70	15	29	8.1	308	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 08...	--	--	6.8	--	.71	.72	.14	.82	.96	1.7
NOV. 05...	--	--	6.6	--	1.0	1.0	.13	.66	.79	1.8
DEC. 03...	271	41	8.4	.3	1.3	1.2	.04	.10	.14	1.4
JAN. 06...	--	--	6.5	--	1.2	1.2	.04	.18	.22	1.4
FEB. 20...	--	--	6.6	--	1.3	1.3	.23	.38	.61	1.9
MAR. 11...	206	33	7.0	.7	1.4	1.3	.06	.48	.54	1.9
APR. 03...	--	--	6.6	--	2.9	1.8	.29	.52	.81	3.7
MAY 15...	--	--	7.2	--	3.2	2.9	.76	4.8	5.6	8.8
JUNE 03...	189	29	8.3	.3	2.2	2.1	.08	2.6	2.7	4.9
JULY 14...	--	--	7.7	--	2.4	--	.04	2.0	2.0	4.4
AUG. 05...	--	--	9.2	--	.93	--	.03	1.8	1.8	2.7
SEP. 26...	253	36	6.7	.3	.12	--	.05	.73	.78	.90

06880000 LINCOLN CREEK NEAR SEWARD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 08...	.73	.72	354	--	.48	7.74	--	--	--	549
NOV. 05...	.51	.46	336	--	.46	6.53	--	--	--	522
DEC. 03...	.35	.33	--	386	.52	6.25	260	0	.9	592
JAN. 06...	.33	.30	348	--	.47	7.96	--	--	--	548
FEB. 20...	.26	.24	339	--	.46	6.68	--	--	--	541
MAR. 11...	.38	.31	--	299	.41	10.7	200	0	.7	541
APR. 03...	.28	.29	307	--	.42	19.9	--	--	--	497
MAY 15...	1.1	.38	229	--	.31	14.5	--	--	--	314
JUNE 03...	.66	.49	--	289	.39	9.99	190	1	.7	452
JULY 14...	.79	.38	276	--	.38	19.5	--	--	--	438
AUG. 05...	.74	.45	323	--	.44	20.9	--	--	--	575
SEP. 26...	.36	.28	--	345	.47	5.40	240	0	.8	533

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 08...	7.5	9.0	--	20	9.4	2.4	320	240	--	--
NOV. 05...	7.8	5.5	--	15	10.9	2.8	380	510	--	--
DEC. 03...	7.7	.0	3	5	14.6	1.0	10	330	--	90
JAN. 06...	7.6	1.0	--	7	17.0	1.8	20	70	--	--
FEB. 20...	7.2	1.0	--	8	11.7	1.9	--	180	--	--
MAR. 11...	7.1	.0	10	10	14.0	11	40	50	1	40
APR. 03...	7.8	.0	--	30	14.4	6.6	<100	67	--	--
MAY 15...	7.6	19.5	--	600	7.0	3.5	6600	2850	--	--
JUNE 03...	7.5	19.0	15	100	8.3	3.7	2170	1250	--	40
JULY 14...	7.5	23.0	--	120	7.3	4.0	1730	4700	--	--
AUG. 05...	7.6	27.0	--	90	7.4	26	1170	1400	--	--
SEP. 26...	7.9	13.0	4	--	11.8	--	180	380	11	50

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 08...	--	--	--	--	--	--	--	--	--	--
NOV. 05...	--	--	--	--	--	--	--	--	--	--
DEC. 03...	--	--	--	--	--	--	--	--	--	--
JAN. 06...	--	--	--	--	--	--	--	--	--	--
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 11...	0	0	6	3	.0	.0	.0	6	0	30
APR. 03...	--	--	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	--	--
JULY 14...	--	--	--	--	--	--	--	--	--	--
AUG. 05...	--	--	--	--	--	--	--	--	--	--
SEP. 26...	1	10	2	4	.1	.1	.0	6	0	10

06880520 BIG BLUE RIVER BELOW SEWARD, NEBR.

LOCATION.--Lat 40°52'15", long 97°04'28", in NE¼NE¼NW¼ sec.3, T.10 N., R.3 E., Seward County, at bridge on county road about 2.5 mi (4.0 km) southeast of Seward.

PERIOD OF RECORD.--Chemical analyses: February 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 08...	0915	9.6	--	--	--	--	--	--	--	--	--
NOV. 05...	1000	21	--	--	--	--	--	--	--	--	--
DEC. 03...	1100	16	30	40	160	90	21	49	10	366	0
JAN. 06...	1140	22	--	--	--	--	--	--	--	--	--
FEB. 20...	0930	22	--	-	--	--	--	--		--	--
MAR. 11...	1230	43	22	30	290	79	21	44	9.3	308	0
APR. 03...	1100	39	--	--	--	--	--	--	--	--	--
MAY 15...	1045	66	--	--	--	--	--	--	--	--	--
JUNE 03...	1530	47	20	40	140	49	14	25	14	214	0
JULY 14...	1225	39	--	--	--	--	--	--	--	--	--
AUG. 05...	1030	24	--	--	--	--	--	--	--	--	--
SEP. 26...	1400	9.5	22	10	140	75	16	39	11	302	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 08...	--	--	19	--	1.6	1.6	1.0	.70	1.7	3.3
NOV. 05...	--	--	14	--	.83	.85	.54	.96	1.5	2.3
DEC. 03...	300	80	17	.3	1.4	1.4	.40	.28	.68	2.1
JAN. 06...	--	--	18	--	1.5	1.6	.50	.43	.93	2.4
FEB. 20...	--	--	44	--	1.9	1.9	1.5	.50	2.0	3.9
MAR. 11...	253	91	19	.5	2.8	2.1	.57	.73	1.3	4.1
APR. 03...	--	--	12	--	1.9	1.9	.43	.87	1.3	3.2
MAY 15...	--	--	11	--	2.0	2.0	.71	1.3	2.0	4.0
JUNE 03...	176	47	8.0	.3	2.5	2.3	.04	2.2	2.2	4.7
JULY 14...	--	--	8.8	--	1.3	--	.04	1.7	1.7	3.0
AUG. 05...	--	--	25	--	1.7	--	.17	1.9	2.1	3.8
SEP. 26...	248	62	14	.4	1.6	--	.92	1.6	2.5	4.1

06880520 BIG BLUE RIVER BELOW SEWARD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED-PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
OCT. 08...	1.2	.90	406	--	.55	10.5	--	--	--	645
NOV. 05...	.78	.79	425	--	.58	24.1	--	--	--	665
DEC. 03...	.80	.71	--	484	.66	20.9	310	10	1.2	749
JAN. 06...	.56	.51	505	--	.69	30.0	--	--	--	791
FEB. 20...	.67	.62	525	--	.71	31.9	--	--	--	751
MAR. 11...	.65	.51	--	447	.61	52.4	280	31	1.1	702
APR. 03...	.54	.44	482	--	.66	50.8	--	--	--	755
MAY 15...	.66	.38	402	--	.55	72.1	--	--	--	621
JUNE 03...	2.6	.74	--	293	.40	37.5	180	4	.8	475
JULY 14...	.86	.50	348	--	.47	37.1	--	--	--	546
AUG. 05...	.93	.63	381	--	.52	24.7	--	--	--	506
SEP. 26...	1.1	.86	--	389	.53	9.98	250	5	1.1	636

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 08...	7.1	9.5	--	15	5.5	8.0	1470	900	--	--
NOV. 05...	7.6	7.0	--	25	8.3	17	17000	2850	--	--
DEC. 03...	7.7	.0	5	7	12.8	6.3	3800	4400	--	120
JAN. 06...	7.4	.0	--	7	14.0	5.4	500	1450	--	--
FEB. 20...	7.3	.0	--	7	11.0	4.7	--	1750	--	--
MAR. 11...	7.3	.0	8	10	12.0	16	5000	2650	4	60
APR. 03...	7.9	.0	--	25	15.1	3.0	2800	2100	--	--
MAY 15...	7.7	16.0	--	120	6.8	8.0	3400	1200	--	--
JUNE 03...	7.9	19.0	20	100	6.7	40	1570	1250	--	50
JULY 14...	7.8	23.0	--	70	7.9	22	1430	1350	--	--
AUG. 05...	6.6	27.0	--	75	6.6	--	6500	880	--	--
SEP. 26...	7.6	14.0	8	40	8.0	--	7400	720	10	110

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 08...	--	--	--	--	--	--	--	--	--	--
NOV. 05...	--	--	--	--	--	--	--	--	--	--
DEC. 03...	--	--	--	--	--	--	--	--	--	--
JAN. 06...	--	--	--	--	--	--	--	--	--	--
FEB. 20...	--	--	--	--	--	--	--	--	--	--
MAR. 11...	1	0	20	2	.1	.0	.1	6	0	50
APR. 03...	--	--	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	--	--
JULY 14...	--	--	--	--	--	--	--	--	--	--
AUG. 05...	--	--	--	--	--	--	--	--	--	--
SEP. 26...	1	10	8	7	.0	.0	.0	5	0	10

06830556 WEST FORK BIG BLUE RIVER BELOW HASTINGS, NEBR.

LOCATION.--Lat 40°36'09", long 98°20'02", in NW¼NW¼SW¼ sec.3, T.7 N., R.9 W., Adams County, at bridge on county road 1.4 mi (2.3 km) north of U.S. Highway 6 and about 1.5 mi (2.4 km) northeast of Hastings.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT.											
29...	1715	11	31	120	90	50	6.2	59	13	182	0
NOV.											
25...	1630	10	--	--	--	--	--	--	--	--	--
DEC.											
23...	1630	25	--	--	--	--	--	--	--	--	--
JAN.											
20...	1700	13	32	60	20	55	8.7	76	13	180	0
FEB.											
19...	0800	8.8	--	--	--	--	--	--	--	--	--
MAR.											
12...	1700	6.3	--	--	--	--	--	--	--	--	--
APR.											
15...	0800	4.8	30	70	10	58	9.2	85	13	219	0
MAY											
28...	0945	16	--	--	--	--	--	--	--	--	--
JUNE											
23...	1800	28	--	--	--	--	--	--	--	--	--
JULY											
23...	0900	138	18	150	30	28	6.0	16	11	106	0
AUG.											
19...	1545	17	--	--	--	--	--	--	--	--	--
SEP.											
15...	1445	6.9	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT.										
29...	149	50	44	.5	8.9	8.6	.12	1.1	1.2	10
NOV.										
25...	--	--	56	--	14	11	1.2	1.8	3.0	17
DEC.										
23...	--	--	62	--	12	12	1.4	2.4	3.8	16
JAN.										
20...	148	52	74	.5	13	13	2.9	1.7	4.6	18
FEB.										
19...	--	--	49	--	6.1	6.2	3.6	6.4	10	16
MAR.										
12...	--	--	71	--	9.0	8.5	4.2	2.0	6.2	15
APR.										
15...	180	67	77	.6	10	10	4.4	.90	5.3	15
MAY										
28...	--	--	8.8	--	2.1	2.1	.69	1.7	2.4	4.5
JUNE										
23...	--	--	25	--	4.6	4.9	2.9	1.5	4.4	9.0
JULY										
23...	87	31	8.4	.3	1.8	--	.20	2.9	3.1	4.9
AUG.										
19...	--	--	26	--	3.0	--	1.2	1.5	2.7	5.7
SEP.										
15...	--	--	37	--	5.9	--	2.6	.00	2.6	8.5

06880556 WEST FORK BIG BLUE RIVER BELOW HASTINGS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 29...	7.2	6.8	--	382	.52	11.3	150	1	2.1	625
NOV. 25...	9.0	8.6	467	--	.64	12.6	--	--	--	717
DEC. 23...	8.5	8.2	477	--	.65	32.2	--	--	--	670
JAN. 20...	7.3	6.8	--	458	.62	16.1	170	22	2.5	766
FEB. 19...	7.8	7.5	448	--	.61	10.6	--	--	--	762
MAR. 12...	6.9	6.6	462	--	.63	7.86	--	--	--	768
APR. 15...	9.8	9.8	--	493	.67	6.39	180	3	2.7	820
MAY 28...	1.8	1.5	140	--	.19	6.05	--	--	--	189
JUNE 23...	2.4	2.1	199	--	.27	15.0	--	--	--	321
JULY 23...	1.0	.73	--	171	.23	63.7	95	8	.7	280
AUG. 19...	2.4	2.2	332	--	.45	15.2	--	--	--	510
SEP. 15...	6.8	6.5	418	--	.57	7.79	--	--	--	630

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 29...	7.2	18.0	30	--	--	14	--	--	--	210
NOV. 25...	7.4	10.0	--	10	7.6	13	60000	6900	--	--
DEC. 23...	7.3	8.0	--	10	8.9	12	5500	600	--	--
JAN. 20...	7.3	7.0	20	--	--	11	--	--	2	240
FEB. 19...	7.4	4.0	--	10	6.8	14	>100000	13000	--	--
MAR. 12...	7.5	11.0	--	35	9.8	16	72000	2000	--	--
APR. 15...	7.3	10.0	25	15	6.0	12	162000	1000	--	530
MAY 28...	7.5	17.0	--	60	6.8	26	175000	37000	--	--
JUNE 23...	7.3	26.0	--	200	5.8	28	282000	28000	--	--
JULY 23...	7.7	22.0	130	130	6.2	13	>60000	53000	6	60
AUG. 19...	7.3	26.0	--	30	6.8	16	52000	850	--	--
SEP. 15...	7.5	17.0	--	15	6.8	--	>400000	1900	--	--

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 29...	--	--	--	--	--	--	--	--	--	--
NOV. 25...	--	--	--	--	--	--	--	--	--	--
DEC. 23...	--	--	--	--	--	--	--	--	--	--
JAN. 20...	1	20	18	8	--	--	--	4	1	80
FEB. 19...	--	--	--	--	--	--	--	--	--	--
MAR. 12...	--	--	--	--	--	--	--	--	--	--
APR. 15...	--	--	--	--	--	--	--	--	--	--
MAY 28...	--	--	--	--	--	--	--	--	--	--
JUNE 23...	--	--	--	--	--	--	--	--	--	--
JULY 23...	4	0	20	5	9.5	6.8	2.7	2	0	110
AUG. 19...	--	--	--	--	--	--	--	--	--	--
SEP. 15...	--	--	--	--	--	--	--	--	--	--

06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.

LOCATION.--Lat 40°43'53", long 97°10'38", in NW¼SW¼ sec.23, T.9 N., R.2 E., Seward County, at gaging station on county road bridge, 6.2 mi (10.0 km) northwest of Dorchester.

DRAINAGE AREA.--1,206 mi^2 (3,124 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1963 to September 1970, February 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT.											
23...	1545	46	--	--	--	--	--	--	--	--	--
NOV.											
12...	1030	57	--	--	--	--	--	--	--	--	--
DEC.											
12...	0930	48	30	40	350	71	12	37	7.3	273	0
JAN.											
14...	1030	49	--	--	--	--	--	--	--	--	--
FEB.											
26...	0930	56	--	--	--	--	--	--	--	--	--
MAR.											
18...	1330	123	20	50	250	45	10	23	9.4	171	0
APR.											
08...	1115	84	--	--	--	--	--	--	--	--	--
MAY											
02...	1015	256	--	--	--	--	--	--	--	--	--
JUNE											
03...	1100	1310	6.8	170	10	12	2.3	6.6	9.3	29	0
JULY											
22...	1100	216	--	--	--	--	--	--	--	199	0
AUG.											
13...	1200	120	--	--	--	--	--	--	--	--	--
SEP.											
25...	0915	36	24	10	40	73	13	31	8.0	275	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT.										
23...	--	--	21	--	.48	.46	.12	.63	.75	1.2
NOV.										
12...	--	--	31	--	1.7	1.7	.20	.53	.73	2.4
DEC.										
12...	224	49	23	.3	1.8	1.8	.20	.09	.29	2.1
JAN.										
14...	--	--	28	--	2.4	2.3	.40	.43	.83	3.2
FEB.										
26...	--	--	22	--	2.3	1.9	.52	.37	.89	3.2
MAR.										
18...	140	37	15	.5	1.7	1.6	.68	1.3	2.0	3.7
APR.										
08...	--	--	18	--	2.2	2.1	.37	1.1	1.5	3.7
MAY										
02...	--	--	6.3	--	1.9	1.8	.43	7.3	7.7	9.6
JUNE										
03...	24	12	4.0	.3	2.7	2.7	1.5	5.9	7.4	10
JULY										
22...	163	--	16	--	2.2	--	.04	2.0	2.0	4.2
AUG.										
13...	--	--	43	--	1.8	--	.04	1.6	1.6	3.4
SEP.										
25...	226	49	18	.3	.03	--	.46	1.2	1.7	1.7

06880800 WEST FORK BIG BLUE RIVER NEAR DORCHESTER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)
OCT. 23...	.62	.60	359	--	.49	44.6	--	--	--	592
NOV. 12...	1.1	.87	394	--	.54	60.6	--	--	--	621
DEC. 12...	.69	.62	--	373	.51	48.3	230	6	1.1	584
JAN. 14...	.80	.76	415	--	.56	78.4	--	--	--	662
FEB. 26...	.77	.67	371	--	.50	60.1	--	--	--	600
MAR. 18...	.96	.74	--	252	.34	81.6	150	13	.8	402
APR. 08...	.82	.62	333	--	.45	75.5	--	--	--	508
MAY 02...	.87	.48	132	--	.18	91.2	--	--	--	185
JUNE 03...	1.1	.36	--	80	.11	283	39	16	.5	101
JULY 22...	1.0	.53	310	--	.42	181	--	--	--	474
AUG. 13...	.92	.60	374	--	.51	121	--	--	--	515
SEP. 25...	.56	.31	--	352	.48	34.2	240	10	.9	565

DATE	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 23...	7.9	15.5	--	15	--	4.6	320	840	--	--
NOV. 12...	7.5	5.0	--	10	11.4	2.3	173	250	--	--
DEC. 12...	7.6	1.5	5	5	13.2	2.2	140	200	--	80
JAN. 14...	7.2	.0	--	6	11.2	3.3	213	84	--	--
FEB. 26...	7.9	2.0	--	8	11.0	2.5	27	550	--	--
MAR. 18...	7.1	9.0	50	65	10.9	16	340	11300	2	50
APR. 08...	7.2	7.0	--	55	11.3	5.5	260	980	--	--
MAY 02...	7.3	14.0	--	750	8.4	5.0	17300	2670	--	--
JUNE 03...	7.1	12.0	450	750	7.1	5.7	125000	143000	--	80
JULY 22...	7.3	23.5	--	200	6.8	3.6	37000	124000	--	--
AUG. 13...	7.2	24.5	--	125	8.8	1.3	5000	6800	--	--
SEP. 25...	7.5	10.0	4	25	12.0	--	123	25	6	60

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUSPENDED MERCURY (HG) (UG/L) (71895)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 23...	--	--	--	--	--	--	--	--	--	--
NOV. 12...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	--	--	--	--	--	--	--
JAN. 14...	--	--	--	--	--	--	--	--	--	--
FEB. 26...	--	--	--	--	--	--	--	--	--	--
MAR. 18...	2	0	20	2	.0	.0	.0	2	0	20
APR. 08...	--	--	--	--	--	--	--	--	--	--
MAY 02...	--	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	--	--
JULY 22...	--	--	--	--	--	--	--	--	--	--
AUG. 13...	--	--	--	--	--	--	--	--	--	--
SEP. 25...	1	10	3	3	.0	.0	.0	4	0	10

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.

LOCATION.--Lat 40°35'47", long 96°57'36", in SW¼SE¼ sec. 3, T.7 N., R.4 E., Saline County, temperature recorder at gaging station at highway bridge 1.8 mi (2.9 km) south of Missouri Pacific Railroad station in Crete, 3.3 mi (5.3 km) downstream from Walnut Creek, and 3.6 mi (5.8 km) upstream from Squaw Creek.

DRAINAGE AREA.--2,716 mi^2 (7,034 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1961 to September 1963, April 1973 to September 1975.
Water temperatures: October 1961 to September 1962, April 1968 to September 1975.
Sediment records: October 1961 to September 1962.

EXTREMES.--1974-75:
Water temperatures: Maximum, 29.5°C July 5, 6; minimum, freezing point on Feb. 16, 17.

Period of record:
Water temperatures: Maximum, 31.5°C July 20, 21, 1974; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DISSOLVED IRON (FE) (UG/L) (01046)	TOTAL MANGANESE (MN) (UG/L) (01055)	SUSPENDED MANGANESE (MN) (UG/L) (01054)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)
OCT. 23...	1400	75	--	--	--	--	--	--	--	--	--
NOV. 13...	1200	104	--	--	--	--	--	--	--	--	--
DEC. 12...	1130	100	--	--	--	--	--	--	--	--	--
JAN. 14...	1200	90	--	--	--	--	--	--	--	--	--
FEB. 26...	1130	105	--	--	--	--	--	--	--	--	--
MAR. 18...	1020	270	18	--	50	--	--	240	54	14	32
APR. 08...	1530	210	--	--	--	--	--	--	--	--	--
MAY 01...	1200	1500	9.1	--	--	1500	1500	10	24	4.0	9.2
JUNE 04...	1400	1320	9.1	130000	170	3100	3100	0	11	3.3	11
12...	1230	1140	11	64000	70	1100	1100	5	13	3.1	8.5
JULY 22...	1400	360	--	--	--	--	--	--	--	--	--
AUG. 13...	1430	145	25	--	--	--	--	0	61	13	31
SEP. 25...	1130	68	26	--	10	--	--	140	77	15	37

DATE	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)
OCT. 23...	--	--	--	--	--	24	--	.47	.43	.35	--
NOV. 13...	--	--	--	--	--	30	--	1.4	1.3	.03	--
DEC. 12...	--	--	--	--	--	23	--	1.8	1.7	.35	--
JAN. 14...	--	--	--	--	--	61	--	2.0	.56	.75	--
FEB. 26...	--	--	--	--	--	22	--	2.3	1.9	.69	--
MAR. 18...	8.9	207	0	170	59	15	.5	1.8	1.8	.38	--
APR. 08...	--	--	--	--	--	17	--	2.4	2.3	.39	--
MAY 01...	7.2	69	0	57	21	6.4	.3	3.7	2.1	1.4	.54
JUNE 04...	9.2	44	0	36	13	4.9	.2	3.9	2.6	.51	.22
12...	9.8	58	0	48	13	6.1	.3	3.1	2.6	1.2	.00
JULY 22...	--	--	--	--	--	19	--	2.6	--	.13	--
AUG. 13...	16	234	0	192	58	20	.4	--	1.4	--	--
SEP. 25...	10	291	0	239	61	21	.3	.90	--	.65	--

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	DISSOLVED ORGANIC NITROGEN (N) (MG/L) (00607)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	SUSPENDED KJEL. NITROGEN (N) (MG/L) (00624)	DISSOLVED KJEL. NITROGEN (N) (MG/L) (00623)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 23...	.95	--	1.3	--	--	1.8	.66	.62	391	--	.53
NOV. 13...	1.5	--	1.5	--	--	2.9	.96	.64	417	--	.57
DEC. 12...	.54	--	.89	--	--	2.7	.75	.53	405	--	.55
JAN. 14...	.24	--	.99	--	--	3.0	.72	.53	468	--	.64
FEB. 26...	.41	--	1.1	--	--	3.4	.76	.63	405	--	.55
MAR. 18...	1.3	--	1.7	--	--	3.5	.77	.53	--	312	.42
APR. 08...	1.4	--	1.8	--	--	4.2	.72	.51	418	--	.57
MAY 01...	3.1	.96	4.5	3.0	1.5	8.2	1.0	.36	--	125	.17
JUNE 04...	14	1.8	15	13	2.0	19	2.1	.21	--	96	.13
12...	1.6	1.3	2.8	1.5	1.3	5.9	.72	.30	--	105	.14
JULY 22...	3.1	--	3.2	--	--	5.8	1.1	.46	288	--	.39
AUG. 13...	--	--	--	--	--	--	.92	.53	340	346	.46
SEP. 25...	1.1	--	1.7	--	--	2.6	.78	.58	--	391	.53

DATE	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)
OCT. 23...	79.2	--	--	--	644	7.9	17.0	--	15	9.2	6.3
NOV. 13...	117	--	--	--	658	7.6	5.0	--	15	10.0	8.8
DEC. 12...	95.1	--	--	--	648	7.7	2.0	--	10	12.8	4.6
JAN. 14...	126	--	--	--	700	7.7	.5	--	10	12.2	10
FEB. 26...	149	--	--	--	660	8.0	.5	--	10	11.2	4.0
MAR. 18...	227	190	23	1.0	507	7.3	2.0	30	70	12.1	13
APR. 08...	237	--	--	--	618	7.1	8.0	--	70	10.9	18
MAY 01...	506	76	20	.5	193	7.3	14.5	500	1320	8.1	13
JUNE 04...	342	41	5	.7	92	6.6	13.0	450	750	6.9	20
12...	323	45	0	.6	156	7.3	18.0	450	850	7.1	--
JULY 22...	280	--	--	--	437	7.3	24.0	--	3	6.3	10
AUG. 13...	133	210	14	.9	503	7.2	24.5	55	150	8.5	19
SEP. 25...	71.8	250	15	1.0	620	8.0	13.0	8	30	10.8	--

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ALDRIN (UG/L) (39331)	SUS-PENDED ALDRIN (UG/L) (39332)	DIS-SOLVED CHLOR-DANE (UG/L) (39352)	SUS-PENDED CHLOR-DANE (UG/L) (39353)	DIS-SOLVED DDD (UG/L) (39361)	SUS-PENDED DDD (UG/L) (39362)	DIS-SOLVED DDE (UG/L) (39366)	SUS-PENDED DDE (UG/L) (39367)	DIS-SOLVED DDT (UG/L) (39371)
OCT. 23...	40000	41000	--	--	--	--	--	--	--	--	--
NOV. 13...	18300	540	--	--	--	--	--	--	--	--	--
DEC. 12...	45300	5100	--	--	--	--	--	--	--	--	--
JAN. 14...	100	48	--	--	--	--	--	--	--	--	--
FEB. 26...	120	64	--	--	--	--	--	--	--	--	--
MAR. 18...	667	3600	--	--	--	--	--	--	--	--	--
APR. 08...	615	323	--	--	--	--	--	--	--	--	--
MAY 01...	28000	2500	.00	.00	.0	.0	.00	.00	.00	.01	.00
JUNE 04...	88000	145000	.00	.01	.0	.1	.00	.00	.00	.02	.00
12...	13300	7400	.00	.02	.0	.0	.00	.00	.00	.01	.00
JULY 22...	35000	120000	--	--	--	--	--	--	--	--	--
AUG. 13...	4000	3000	--	--	--	--	--	--	--	--	--
SEP. 25...	77	80	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED DDT (UG/L) (39372)	DIS-SOLVED DI-AZINON (UG/L) (39572)	SUS-PENDED DI-AZINON (UG/L) (39573)	DIS-SOLVED DI-ELDRIN (UG/L) (39381)	SUS-PENDED DI-ELDRIN (UG/L) (39382)	DIS-SOLVED ENDRIN (UG/L) (39391)	SUS-PENDED ENDRIN (UG/L) (39392)	DIS-SOLVED HEPTA-CHLOR (UG/L) (39411)	SUS-PENDED HEPTA-CHLOR (UG/L) (39412)	DIS-SOLVED HEPTA-CHLOR EPOXIDE (UG/L) (39421)	SUS-PENDED HEPTA-CHLOR EPOXIDE (UG/L) (39422)	DIS-SOLVED LINDANE (UG/L) (39341)
MAR. 18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	.00	.00	--	.00	.02	.00	.00	.00	.00	.00	.00	.00
JUNE 04...	.04	.01	.00	.01	.04	.00	.00	.00	.00	.00	.00	.00
12...	.00	.04	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
AUG. 13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 25...	--	--	--	--	--	--	--	--	--	--	--	--

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUS-PENDED LINDANE (UG/L) (39342)	DIS-SOLVED MALA-THION (UG/L) (39532)	SUS-PENDED MALA-THION (UG/L) (39533)	DIS-SOLVED METHYL PARA-THION (UG/L) (39602)	SUS-PENDED METHYL PARA-THION (UG/L) (39603)	DIS-SOLVED PARA-THION (UG/L) (39542)	SUS-PENDED PARA-THION (UG/L) (39543)	DIS-SOLVED PCB (UG/L) (39517)	SUS-PENDED PCB (UG/L) (39518)	DIS-SOLVED TOX-APHENE (UG/L) (39401)	SUS-PENDED TOX-APHENE (UG/L) (39402)	DIS-SOLVED 2,4-D (UG/L) (39732)
MAR. 18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	.00	.00	--	.00	--	.00	--	.0	.0	0	0	.07
JUNE 04...	.00	.00	.00	.00	.00	.00	.02	.0	.0	0	0	.05
12...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	0	.00
AUG. 13...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED 2,4-D (UG/L) (39733)	DIS-SOLVED 2,4,5-T (UG/L) (39742)	SUS-PENDED 2,4,5-T (UG/L) (39743)	DIS-SOLVED SILVEX (UG/L) (39762)	SUS-PENDED SILVEX (UG/L) (39763)	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS-PENDED ARSENIC (AS) (UG/L) (01001)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD-MIUM (CD) (UG/L) (01027)	SUS-PENDED CAD-MIUM (CD) (UG/L) (01026)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)
MAR. 18...	--	--	--	--	--	--	--	1	50	--	--	2
MAY 01...	.00	.06	.00	.00	.00	100	96	4	70	<10	<9	1
JUNE 04...	.00	.11	.00	.00	.00	93	91	2	90	<10	<10	0
12...	.00	.02	.00	.00	.00	70	67	3	10	<10	<10	0
AUG. 13...	--	--	--	--	--	--	--	--	60	--	--	--
SEP. 25...	--	--	--	--	--	--	--	8	70	--	--	1

DATE	TOTAL CHRO-MIUM (CR) (UG/L) (01034)	SUS-PENDED CHRO-MIUM (CR) (UG/L) (01031)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	SUS-PENDED COBALT (CO) (UG/L) (01036)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS-PENDED COPPER (CU) (UG/L) (01041)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS-PENDED LEAD (PB) (UG/L) (01050)
MAR. 18...	--	--	20	--	--	--	--	--	40	--	--
MAY 01...	50	50	0	50	48	2	110	85	25	200	200
JUNE 04...	110	110	0	50	50	0	130	120	9	100	98
12...	60	60	0	50	49	1	90	81	9	100	98
AUG. 13...	--	--	--	--	--	--	--	--	--	--	--
SEP. 25...	--	--	10	--	--	--	--	--	5	--	--

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE-NIUM (SE) (UG/L) (01147)	SUS-PENDED SELE-NIUM (SE) (UG/L) (01146)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS-PENDED ZINC (ZN) (UG/L) (01091)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
MAR. 18...	2	.0	.0	.0	--	--	3	0	--	--	30
MAY 01...	3	.1	.1	.0	1	0	1	0	290	280	10
JUNE 04...	2	.2	.1	.1	2	1	1	0	560	0	570
12...	2	.0	.0	.0	1	0	1	0	270	270	0
AUG. 13...	--	--	--	--	--	--	--	--	--	--	--
SEP. 25...	6	.0	.0	.0	--	--	4	0	--	--	10

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.0	10.5	13.5	11.5	2.5	1.0	2.5	1.0	2.0	1.0	3.5	1.0
2	12.5	9.5	13.5	11.5	3.0	1.0	2.5	1.0	2.0	1.5	2.0	0.5
3	15.0	10.5	12.5	9.5	3.0	1.0	3.0	1.5	2.0	1.5	1.5	0.5
4	17.5	14.0	9.5	7.5	3.0	1.0	2.5	1.5	2.0	0.5	2.0	0.5
5	17.0	12.5	9.0	7.5	2.5	1.0	3.0	1.5	0.5	0.5	3.0	1.0
6	13.0	11.0	7.5	5.0	2.5	2.0	3.0	1.5	0.5	0.5	1.5	1.0
7	12.5	9.5	8.0	6.0	3.5	2.0	2.5	1.5	1.5	0.5	3.0	0.5
8	13.5	10.0	9.0	8.0	2.5	0.5	3.0	1.5	1.0	0.5	1.5	0.5
9	15.0	11.5	9.0	9.0	2.5	1.0	3.0	2.0	0.5	0.5	1.0	0.5
10	16.5	12.5	10.0	9.0	2.5	1.0	2.5	1.5	1.5	0.5	2.0	0.5
11	16.5	15.0	9.5	7.0	2.0	1.0	1.5	1.5	2.5	0.5	1.5	1.0
12	16.0	13.0	7.5	5.5	2.0	1.0	2.0	2.0	1.5	0.5	3.5	0.5
13	13.0	12.0	7.0	5.0	2.0	1.0	2.0	1.5	1.0	0.5	3.0	0.5
14	12.5	10.5	5.0	4.0	2.0	0.5	2.0	1.5	1.5	0.5	3.0	0.5
15	12.0	8.5	4.5	3.0	4.5	1.0	1.5	1.5	2.0	0.5	3.5	0.5
16	13.0	9.5	5.5	4.0	2.0	1.5	3.0	2.0	1.0	0.0	4.5	1.0
17	14.0	11.0	6.0	4.5	2.0	1.0	3.5	2.0	2.5	0.0	2.0	1.0
18	14.0	11.5	7.0	6.0	2.0	1.0	4.0	2.5	2.5	0.5	5.0	2.0
19	13.5	10.0	8.5	7.0	2.0	1.0	3.5	2.0	2.5	0.5	4.5	2.0
20	13.0	10.5	8.0	6.0	2.0	1.0	3.5	2.0	3.0	0.5	4.5	2.5
21	13.0	9.5	7.0	5.0	2.0	1.0	3.5	2.0	3.5	0.5	5.5	4.5
22	15.0	12.0	7.5	5.5	2.5	1.5	3.0	2.0	2.5	0.5	6.0	5.0
23	16.0	13.5	7.5	5.5	2.5	1.0	4.0	2.0	2.5	0.5	7.0	6.0
24	16.5	14.5	5.5	3.5	2.0	1.0	3.5	2.5	2.5	0.5	7.0	4.0
25	16.5	14.0	4.5	2.5	2.0	1.0	4.0	2.0	4.5	0.5	4.0	1.0
26	14.5	12.0	4.0	3.0	2.5	1.0	3.0	2.0	4.0	1.0	3.5	2.0
27	15.5	13.5	4.0	2.5	2.0	1.0	2.5	2.0	3.5	0.5	4.5	2.0
28	15.5	14.5	4.0	2.5	2.5	1.0	2.0	1.5	4.0	0.5	4.5	2.0
29	15.5	14.5	2.5	1.0	2.5	1.0	2.5	1.5	---	---	4.5	2.5
30	15.0	13.5	2.0	1.0	2.0	1.0	2.5	2.0	---	---	5.5	2.5
31	14.0	13.5	---	---	2.5	1.0	2.0	1.5	---	---	8.0	4.5
MONTH	17.5	8.5	13.5	1.0	4.5	0.5	4.0	1.0	4.5	0.0	8.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.5	3.0	15.0	14.0	17.5	16.0	27.5	25.5	27.5	24.5	26.0	23.0
2	3.0	1.0	14.5	14.0	17.5	15.5	27.5	25.5	25.5	21.5	25.5	23.0
3	6.0	1.0	16.5	11.0	19.5	15.5	27.5	25.0	25.0	20.5	25.0	20.0
4	8.5	4.5	22.5	14.0	18.0	13.0	28.5	25.5	26.0	23.0	20.0	20.0
5	11.0	7.0	23.0	15.0	21.0	15.5	29.5	26.0	27.5	24.5	22.0	19.5
6	11.0	9.5	23.0	17.0	21.5	19.0	29.5	26.5	25.5	22.0	22.0	19.0
7	11.0	9.0	21.0	12.5	22.0	19.5	29.0	25.5	27.0	22.5	22.0	19.0
8	9.0	8.0	20.0	11.5	22.0	18.5	29.0	25.0	27.5	23.5	22.0	18.5
9	11.5	8.0	21.0	13.0	19.0	17.5	27.5	24.5	28.0	24.5	22.5	19.5
10	11.5	9.0	21.0	12.5	18.0	17.0	26.0	22.5	28.5	25.5	23.0	20.0
11	10.5	7.0	20.5	12.0	17.5	16.5	25.0	21.5	28.0	25.0	23.0	17.5
12	12.0	8.5	19.0	11.0	19.0	17.0	24.5	20.5	27.5	24.5	18.5	14.0
13	12.0	10.0	19.0	12.5	20.5	18.0	24.0	20.0	28.0	25.0	20.5	17.0
14	10.0	9.0	21.0	11.5	20.5	19.5	25.0	21.0	25.0	23.0	20.0	17.0
15	12.5	9.0	19.0	10.5	20.5	18.0	26.5	22.5	26.5	23.5	17.5	16.5
16	16.0	11.5	20.0	11.0	23.0	19.0	26.5	22.5	27.5	23.5	19.0	17.0
17	19.0	14.5	24.0	12.5	23.5	21.0	27.0	23.5	27.0	24.5	20.5	17.5
18	18.5	11.5	26.0	19.5	23.5	20.0	27.5	23.0	27.5	24.5	19.5	18.0
19	12.0	9.0	27.0	23.0	21.5	20.5	27.0	24.0	27.5	25.0	18.0	15.5
20	13.0	9.5	27.0	23.0	22.5	21.0	27.5	23.5	28.0	25.0	17.0	15.0
21	14.5	10.5	26.0	20.5	22.5	21.5	27.5	24.0	28.0	24.5	17.5	14.5
22	15.0	13.0	24.5	22.5	22.5	21.5	24.5	22.5	27.5	24.0	18.0	14.0
23	16.5	14.0	23.5	19.5	22.5	21.5	24.5	24.0	27.0	24.0	18.5	14.5
24	16.5	15.0	22.5	19.0	23.0	21.5	25.5	23.5	26.5	22.5	17.5	14.0
25	18.0	14.5	22.5	20.0	23.5	22.5	25.5	23.0	25.5	20.5	17.0	13.0
26	18.0	16.0	22.5	18.0	23.5	23.0	25.5	23.5	25.5	21.5	14.5	11.0
27	17.5	17.0	21.5	17.5	24.0	23.5	26.0	25.0	27.0	23.5	14.0	12.0
28	17.0	15.0	20.5	18.0	25.5	24.0	27.0	25.0	26.5	24.0	13.5	11.5
29	16.0	14.5	20.5	17.5	27.0	25.5	27.5	26.0	26.0	23.0	15.5	12.0
30	16.0	15.0	17.5	15.5	28.0	25.5	27.5	24.5	26.5	24.0	15.0	14.0
31	---	---	17.5	15.0	---	---	27.0	24.0	26.5	23.5	---	---
MONTH	19.0	1.0	27.0	10.5	28.0	13.0	29.5	20.0	28.5	20.5	26.0	11.0

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
MAY							
01...	1100	14.5	1470	3840	15200	62	72
JUNE							
04...	1340	13.0	1310	5160	18300	65	79
12...	1200	18.0	1180	2920	9300	57	68

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
MAY						
01...	82	92	96	96	99	100
JUNE						
04...	90	99	100	--	--	--
12...	77	85	100	--	--	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
MAY										
01...	1100	4	1470	0	4	53	89	97	100	--
JUNE										
04...	1340	4	1310	0	11	50	80	92	98	100
12...	1200	3	1180	0	16	64	86	93	98	100

06881200 TURKEY CREEK NEAR WILBER, NEBR.

LOCATION.--Lat 40°28'48", long 97°00'43", in NE¼NE¼ sec.19, T.6 N., R.4 E., Saline County, at gaging station at bridge on State Highway 41 and 2.8 mi (4.5 km) west of Wilber.

DRAINAGE AREA.--460 mi^2 (1,191 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1970, March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 23...	1300	2.9	--	--	--	--	--	--	--	--	--
NOV. 13...	1100	6.0	--	--	--	--	--	--	--	--	--
DEC. 12...	1030	7.6	24	90	140	78	14	55	6.1	292	0
JAN. 14...	1415	3.1	--	--	--	--	--	--	--	--	--
FEB. 26...	1030	8.0	--	--	--	--	--	--	--	--	--
MAR. 18...	1200	68	14	60	70	37	8.9	18	8.4	132	0
APR. 08...	1330	26	--	--	--	--	--	--	--	--	--
MAY 01...	1430	450	--	--	--	--	--	--	--	--	--
JUNE 04...	1135	236	9.1	160	10	10	2.3	6.0	8.4	44	0
JULY 22...	1220	64	--	--	--	--	--	--	--	175	0
AUG. 13...	1330	31	--	--	--	--	--	--	--	--	--
SEP. 25...	1015	1.1	18	20	210	44	11	120	11	198	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 23...	--	--	91	--	.58	.47	.16	1.1	1.3	1.9
NOV. 13...	--	--	43	--	.39	.36	.18	.67	.85	1.2
DEC. 12...	239	63	46	.3	.25	.25	.02	.15	.17	.42
JAN. 14...	--	--	26	--	1.9	.57	.03	.22	.25	2.2
FEB. 26...	--	--	32	--	.73	.68	.25	.50	.75	1.5
MAR. 18...	108	42	12	.4	1.1	1.0	.47	1.2	1.7	2.8
APR. 08...	--	--	22	--	.96	.92	.34	.76	1.1	2.1
MAY 01...	--	--	3.8	--	2.2	1.5	.58	3.1	3.7	5.9
JUNE 04...	36	12	4.8	.3	2.4	2.1	1.8	4.3	6.1	8.5
JULY 22...	144	--	24	--	.85	--	.03	1.9	1.9	2.8
AUG. 13...	--	--	25	--	.91	--	.03	1.3	1.3	2.2
SEP. 25...	162	53	150	.3	1.1	--	.17	1.0	1.2	2.3

06881200 TURKEY CREEK NEAR WILBER, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 23...	1.5	.61	507	--	.69	3.83	--	--	--	893
NOV. 13...	.62	.47	375	--	.51	5.87	--	--	--	605
DEC. 12...	.66	.61	--	432	.59	8.16	250	10	1.5	701
JAN. 14...	.32	.28	435	--	.59	4.93	--	--	--	762
FEB. 26...	.48	.42	398	--	.54	9.35	--	--	--	645
MAR. 18...	.64	.47	--	210	.29	38.6	130	21	.7	339
APR. 08...	.47	.37	355	--	.48	25.3	--	--	--	551
MAY 01...	.87	.30	87	--	.12	106	--	--	--	110
JUNE 04...	.95	.28	--	84	.11	53.5	34	0	.4	132
JULY 22...	.65	.36	311	--	.42	53.7	--	--	--	460
AUG. 13...	.59	.38	329	--	.45	27.4	--	--	--	485
SEP. 25...	.38	.22	--	505	.69	1.50	160	0	4.2	903

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 23...	7.4	14.5	--	35	4.7	8.0	260	1360	--	--
NOV. 13...	7.6	5.0	--	25	9.9	3.8	150	15000	--	--
DEC. 12...	7.6	1.0	20	7	12.8	.9	<3	268	--	70
JAN. 14...	7.5	.0	--	6	13.0	1.6	13	156	--	--
FEB. 26...	8.2	.2	--	9	10.0	2.2	13	236	--	--
MAR. 18...	7.3	4.5	60	40	11.7	4.5	107	5800	3	40
APR. 08...	6.8	8.0	--	60	13.2	4.4	183	350	--	--
MAY 01...	7.2	14.0	--	1100	8.1	4.6	10300	4200	--	--
JUNE 04...	6.8	17.0	500	750	7.5	4.9	30000	130000	--	50
JULY 22...	7.3	23.0	--	--	6.9	4.0	3000	14000	--	--
AUG. 13...	7.1	24.5	--	70	8.1	4.0	385	1570	--	--
SEP. 25...	7.4	12.0	35	45	9.3	--	200	100	4	100

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 23...	--	--	--	--	--	--	--	--	--	--
NOV. 13...	--	--	--	--	--	--	--	--	--	--
DEC. 12...	--	--	--	--	--	--	--	--	--	--
JAN. 14...	--	--	--	--	--	--	--	--	--	--
FEB. 26...	--	--	--	--	--	--	--	--	--	--
MAR. 18...	1	10	10	3	.0	.0	.0	2	0	20
APR. 08...	--	--	--	--	--	--	--	--	--	--
MAY 01...	--	--	--	--	--	--	--	--	--	--
JUNE 04...	--	--	--	--	--	--	--	--	--	--
JULY 22...	--	--	--	--	--	--	--	--	--	--
AUG. 13...	--	--	--	--	--	--	--	--	--	--
SEP. 25...	1	10	7	2	.0	.0	.0	2	0	10

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.

LOCATION.--Lat 40°14'55", long 96°42'46", in SE¼SE¼ sec.2, T.3 N., R.6 E., Gage County, at pipeline bridge about 2.0 mi (3.2 km) downstream from bridge on U.S. Highway 77, about 1.3 mi (2.1 km) southeast of Beatrice.

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)
OCT. 23...	0930	108	--	--	--	--	--	--	--	--	--
NOV. 14...	1045	135	--	--	--	--	--	--	--	--	--
DEC. 18...	1200	90	24	60	320	73	16	69	5.7	291	0
JAN. 16...	0930	139	--	--	--	--	--	--	--	--	--
FEB. 27...	1330	148	--	--	--	--	--	--	--	--	--
MAR. 20...	0930	1670	12	90	200	26	6.5	16	7.9	99	0
APR. 08...	1300	280	--	--	--	--	--	--	--	--	--
MAY 22...	1430	221	--	--	--	--	--	--	--	--	--
JUNE 11...	1530	3300	9.8	150	10	13	2.6	9.1	8.7	51	0
JULY 23...	1200	814	--	--	--	--	--	--	--	--	--
AUG. 12...	1030	240	--	--	--	--	--	--	--	--	--
SEP. 24...	0930	89	24	10	50	72	14	66	9.6	274	0

DATE	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	TOTAL NITROGEN (N) (MG/L) (00600)
OCT. 23...	--	--	63	--	.69	.64	.45	1.2	1.6	2.3
NOV. 14...	--	--	52	--	1.7	1.7	.35	.53	.88	2.6
DEC. 18...	239	72	63	.7	2.3	2.3	.49	.03	.52	2.8
JAN. 16...	--	--	54	--	2.1	1.9	--	--	--	--
FEB. 27...	--	--	46	--	2.5	2.3	.79	.51	1.3	3.8
MAR. 20...	81	30	11	.4	1.9	1.9	.68	1.8	2.5	4.4
APR. 08...	--	--	35	--	2.8	2.7	.59	.61	1.2	4.0
MAY 22...	--	--	41	--	1.1	1.2	.00	1.7	1.7	2.8
JUNE 11...	42	14	5.3	.3	2.8	2.3	.32	6.9	7.2	10
JULY 23...	--	--	32	--	1.9	--	.13	2.4	2.5	4.4
AUG. 12...	--	--	38	--	1.8	--	.08	.88	.96	2.8
SEP. 24...	225	75	64	.4	1.5	--	.17	.59	.76	2.3

06881502 BIG BLUE RIVER BELOW BEATRICE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
OCT. 23...	.64	.61	467	--	.64	130	--	--	--	805
NOV. 14...	.75	.59	452	--	.61	157	--	--	--	730
DEC. 18...	.84	.85	--	477	.65	116	250	11	1.9	793
JAN. 16...	.48	.42	524	--	.71	197	--	--	--	831
FEB. 27...	.60	.52	416	--	.57	135	--	--	--	700
MAR. 20...	.52	.37	--	167	.23	712	92	10	.7	274
APR. 08...	.59	.42	425	--	.58	321	--	--	--	661
MAY 22...	.60	.43	403	--	.55	240	--	--	--	602
JUNE 11...	.74	.02	--	98	.13	873	43	1	.6	151
JULY 23...	1.2	.48	294	--	.40	642	--	--	--	485
AUG. 12...	.91	.69	360	--	.49	233	--	--	--	591
SEP. 24...	.67	.55	--	460	.63	111	240	13	1.9	763

DATE	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 23...	7.8	14.5	--	20	9.2	8.6	515	440	--	--
NOV. 14...	7.5	4.0	--	10	11.7	6.8	2400	280	--	--
DEC. 18...	7.3	.5	5	10	12.0	6.0	3600	2000	--	90
JAN. 16...	7.5	.0	--	6	11.9	3.8	270	200	--	--
FEB. 27...	7.6	1.5	--	10	13.0	3.3	150	3000	--	--
MAR. 20...	7.4	6.0	90	220	11.7	11	1000	21800	4	50
APR. 08...	7.4	8.0	--	45	11.5	15	550	210	--	--
MAY 22...	7.5	26.0	--	70	11.7	22	--	220	--	--
JUNE 11...	7.2	19.0	210	300	8.4	27	26300	26000	--	50
JULY 23...	7.5	23.0	--	300	9.6	12	14900	72000	--	--
AUG. 12...	7.9	25.5	--	85	8.1	17	19000	2040	--	--
SEP. 24...	7.9	14.0	5	30	11.6	--	5300	440	6	80

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS-PENDED MERCURY (HG) (UG/L) (71895)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 23...	--	--	--	--	--	--	--	--	--	--
NOV. 14...	--	--	--	--	--	--	--	--	--	--
DEC. 18...	--	--	--	--	--	--	--	--	--	--
JAN. 16...	--	--	--	--	--	--	--	--	--	--
FEB. 27...	--	--	--	--	--	--	--	--	--	--
MAR. 20...	10	0	17	3	.1	.0	.1	2	0	40
APR. 08...	--	--	--	--	--	--	--	--	--	--
MAY 22...	--	--	--	--	--	--	--	--	--	--
JUNE 11...	--	--	--	--	--	--	--	--	--	--
JULY 23...	--	--	--	--	--	--	--	--	--	--
AUG. 12...	--	--	--	--	--	--	--	--	--	--
SEP. 24...	0	10	2	6	.1	.0	.1	4	0	10

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.

LOCATION.--Lat 39°58'48", long 97°00'16", in NE¼SW¼ sec.8, T.1 S., R.4 E., Washington County, at gaging station on county road 0.6 mi (1.0 km) west of Hollenberg, and 1.75 mi downstream from Nebraska-Kansas State line.

DRAINAGE AREA.--2,752 mi^2 (7,128 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	TOTAL IRON (FE) (UG/L) (01045)	DIS-SOLVED IRON (FE) (UG/L) (01046)	TOTAL MAN-GANESE (MN) (UG/L) (01055)	SUS-PENDED MAN-GANESE (MN) (UG/L) (01054)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
OCT. 23...	1130	112	--	--	--	--	--	--	--	--	--	--
NOV. 14...	1300	131	--	--	--	--	--	--	--	--	--	--
DEC. 18...	1030	141	27	--	40	--	--	40	62	9.6	40	4.8
JAN. 15...	1630	125	--	--	--	--	--	--	--	--	--	--
FEB. 27...	1030	224	--	--	--	--	--	--	--	--	--	--
MAR. 18...	1400	3410	9.4	36000	60	720	700	20	19	2.7	5.5	8.2
APR. 07...	1645	240	--	--	--	--	--	--	--	--	--	--
MAY 22...	0930	166	--	--	--	--	--	--	--	--	--	--
31...	1215	1640	10	44000	120	480	470	10	23	3.8	7.1	7.3
JUNE 03...	1330	3210	8.2	120000	100	1900	1900	0	18	3.1	5.7	7.1
JULY 23...	2000	9390	13	84000	30	--	--	0	18	1.9	6.0	9.9
AUG. 12...	1400	293	--	--	--	--	--	--	--	--	--	--
SEP. 24...	1545	100	--	--	--	--	--	--	--	--	--	--

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	ALKA-LINITY AS CACO3 (MG/L) (00410)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)
OCT. 23...	--	--	--	--	45	--	.71	.65	.16	--	.55
NOV. 14...	--	--	--	--	39	--	1.2	1.1	.37	--	.11
DEC. 18...	234	0	192	44	41	.3	1.3	1.3	.23	--	.77
JAN. 15...	--	--	--	--	46	--	1.4	1.3	.37	--	1.2
FEB. 27...	--	--	--	--	30	--	1.5	1.3	.26	--	.48
MAR. 18...	61	0	50	16	5.8	.5	2.5	1.6	--	.30	--
APR. 07...	--	--	--	--	35	--	1.4	1.4	.21	--	.40
MAY 22...	--	--	--	--	40	--	.00	.02	.07	--	1.3
31...	83	0	68	13	7.2	.3	1.9	1.6	1.5	.01	7.1
JUNE 03...	65	0	53	12	4.5	.3	1.6	1.5	.68	.01	2.4
JULY 23...	53	0	43	9.7	6.0	.4	2.5	2.4	.13	.00	6.6
AUG. 12...	--	--	--	--	31	--	.08	--	.04	--	1.6
SEP. 24...	--	--	--	--	51	--	.43	--	.17	--	2.0

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L) (00607)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L) (00624)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L) (00623)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 23...	--	.71	--	--	1.4	1.2	.79	356	--	.48	108
NOV. 14...	--	.48	--	--	1.7	.49	.34	371	--	.50	131
DEC. 18...	--	1.0	--	--	2.3	.40	.40	--	350	.48	123
JAN. 15...	--	1.6	--	--	3.0	.33	.26	395	--	.54	139
FEB. 27...	--	.74	--	--	2.2	.48	.31	310	--	.42	187
MAR. 18...	1.1	--	--	1.4	--	.99	.34	--	105	.14	1000
APR. 07...	--	.61	--	--	2.0	.35	.29	342	--	.47	222
MAY 22...	--	1.4	--	--	1.4	.18	.18	381	--	.52	171
31...	.92	8.6	7.7	.93	11	3.9	.20	--	120	.16	531
JUNE 03...	2.5	3.1	.60	2.5	4.7	1.6	.17	--	98	.13	833
JULY 23...	1.2	6.7	5.5	1.2	9.2	--	.26	--	102	.14	2600
AUG. 12...	--	1.6	--	--	1.7	.53	.31	286	--	.39	106
SEP. 24...	--	2.2	--	--	2.6	.53	.23	368	--	.50	99.4

DATE	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L) (00340)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)
OCT. 23...	--	--	--	613	7.8	14.0	--	15	10.0	--	4.0
NOV. 14...	--	--	--	586	7.6	4.0	--	15	12.2	--	3.8
DEC. 18...	190	0	1.2	573	7.6	.5	5	20	13.5	--	6.8
JAN. 15...	--	--	--	643	7.5	.5	--	20	13.0	--	2.0
FEB. 27...	--	--	--	518	8.2	.5	--	40	11.2	--	4.5
MAR. 18...	59	9	.3	174	6.6	3.2	100	120	12.1	110	20
APR. 07...	--	--	--	557	6.8	5.0	--	40	12.4	--	--
MAY 22...	--	--	--	570	7.5	26.5	--	60	9.7	--	26
31...	73	5	.4	196	7.1	19.0	250	1320	7.6	--	42
JUNE 03...	58	4	.3	158	--	18.5	310	1900	7.4	--	40
JULY 23...	53	9	.4	151	7.4	20.0	260	900	14.5	160	9.8
AUG. 12...	--	--	--	494	8.5	27.5	--	50	12.4	--	15
SEP. 24...	--	--	--	620	7.9	19.0	--	70	11.2	--	--

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED ALDRIN (UG/L) (39331)	SUS-PENDED ALDRIN (UG/L) (39332)	DIS-SOLVED CHLOR-DANE (UG/L) (39352)	SUS-PENDED CHLOR-DANE (UG/L) (39353)	DIS-SOLVED DDD (UG/L) (39361)	SUS-PENDED DDD (UG/L) (39362)	DIS-SOLVED DDE (UG/L) (39366)	SUS-PENDED DDE (UG/L) (39367)	DIS-SOLVED DDT (UG/L) (39371)
OCT.											
23...	167	157	--	--	--	--	--	--	--	--	--
NOV.											
14...	10	114	--	--	--	--	--	--	--	--	--
DEC.											
18...	50	120	--	--	--	--	--	--	--	--	--
JAN.											
15...	67	186	--	--	--	--	--	--	--	--	--
FEB.											
27...	60	5800	--	--	--	--	--	--	--	--	--
MAR.											
18...	1700	47000	.00	.00	.0	.0	.00	.00	.00	.00	.00
APR.											
07...	222	256	--	--	--	--	--	--	--	--	--
MAY											
22...	--	133	--	--	--	--	--	--	--	--	--
31...	73000	18600	.00	.00	.0	.0	.00	.00	.00	.01	.00
JUNE											
03...	73000	280000	.00	.01	.0	.0	.00	.00	.00	.00	.00
JULY											
23...	83000	25000	.00	.00	.0	.0	.00	.00	.00	.00	.00
AUG.											
12...	1500	248	--	--	--	--	--	--	--	--	--
SEP.											
24...	167	232	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED DDT (UG/L) (39372)	DIS-SOLVED DI-AZINON (UG/L) (39572)	SUS-PENDED DI-AZINON (UG/L) (39573)	DIS-SOLVED DI-ELDRIN (UG/L) (39381)	SUS-PENDED DI-ELDRIN (UG/L) (39382)	DIS-SOLVED ENDRIN (UG/L) (39391)	SUS-PENDED ENDRIN (UG/L) (39392)	DIS-SOLVED HEPTA-CHLOR (UG/L) (39411)	SUS-PENDED HEPTA-CHLOR (UG/L) (39412)	DIS-SOLVED HEPTA-CHLOR EPOXIDE (UG/L) (39421)	SUS-PENDED HEPTA-CHLOR EPOXIDE (UG/L) (39422)	DIS-SOLVED LINDANE (UG/L) (39341)
DEC.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
18...	.00	.00	--	.01	.00	.00	.00	.00	.00	.00	.00	.00
MAY												
31...	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
JUNE												
03...	.02	.01	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00
JULY												
23...	.00	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUS- PENDED LINDANE (UG/L) (39342)	DIS- SOLVED MALA- THION (UG/L) (39532)	SUS- PENDED MALA- THION (UG/L) (39533)	DIS- SOLVED METHYL PARA- THION (UG/L) (39602)	SUS- PENDED METHYL PARA- THION (UG/L) (39603)	DIS- SOLVED PARA- THION (UG/L) (39542)	SUS- PENDED PARA- THION (UG/L) (39543)	DIS- SOLVED PCB (UG/L) (39517)	SUS- PENDED PCB (UG/L) (39518)	DIS- SOLVED TOX- APHENE (UG/L) (39401)	SUS- PENDED TOX- APHENE (UG/L) (39402)	DIS- SOLVED 2,4-D (UG/L) (39732)
DEC.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
18...	.00	.00	--	.00	--	.00	--	.0	.0	0	0	.02
MAY												
31...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	0	.06
JUNE												
03...	.00	.00	.00	.00	.00	.00	.01	.0	.0	0	0	.00
JULY												
23...	.00	.00	.00	.00	.00	.00	.00	.0	.0	0	0	.00

DATE	SUS- PENDED 2,4-D (UG/L) (39733)	DIS- SOLVED 2,4,5-T (UG/L) (39742)	SUS- PENDED 2,4,5-T (UG/L) (39743)	DIS- SOLVED SILVEX (UG/L) (39762)	SUS- PENDED SILVEX (UG/L) (39763)	TOTAL ARSENIC (AS) (UG/L) (01002)	SUS- PENDED ARSENIC (AS) (UG/L) (01001)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BORON (B) (UG/L) (01020)	TOTAL CAD- MIUM (CD) (UG/L) (01027)	SUS- PENDED CAD- MIUM (CD) (UG/L) (01026)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)
DEC.												
18...	--	--	--	--	--	--	--	--	60	--	--	--
MAR.												
18...	.00	.01	.00	.00	.00	21	18	3	50	10	8	2
MAY												
31...	.00	.00	.00	.00	.00	80	78	2	30	10	10	0
JUNE												
03...	.00	.00	.00	.00	.00	67	65	2	40	<10	<9	1
JULY												
23...	.00	.00	.00	.00	.00	90	87	3	90	10	9	1

DATE	TOTAL CHRO- MIUM (CR) (UG/L) (01034)	SUS- PENDED CHRO- MIUM (CR) (UG/L) (01031)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	TOTAL COBALT (CO) (UG/L) (01037)	SUS- PENDED COBALT (CO) (UG/L) (01036)	DIS- SOLVED COBALT (CO) (UG/L) (01035)	TOTAL COPPER (CU) (UG/L) (01042)	SUS- PENDED COPPER (CU) (UG/L) (01041)	DIS- SOLVED COPPER (CU) (UG/L) (01040)	TOTAL LEAD (PB) (UG/L) (01051)	SUS- PENDED LEAD (PB) (UG/L) (01050)
DEC.											
18...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
18...	3	3	0	<50	<49	1	50	32	18	<100	<98
MAY											
31...	60	60	0	<50	<50	0	70	65	5	100	98
JUNE											
03...	120	120	0	50	50	0	120	110	8	100	96
JULY											
23...	90	80	10	100	100	0	80	74	6	<100	<99

DATE	DIS- SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	SUS- PENDED MERCURY (HG) (UG/L) (71895)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	TOTAL SELE- NIUM (SE) (UG/L) (01147)	SUS- PENDED SELE- NIUM (SE) (UG/L) (01146)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED SILVER (AG) (UG/L) (01075)	TOTAL ZINC (ZN) (UG/L) (01092)	SUS- PENDED ZINC (ZN) (UG/L) (01091)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
DEC.											
18...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
18...	2	.1	.0	.1	1	1	0	0	90	50	40
MAY											
31...	2	.2	.2	.0	1	0	1	0	600	590	10
JUNE											
03...	4	.3	.2	.1	1	0	1	0	390	390	0
JULY											
23...	1	[illegible]	.2	.0	1	1	0	0	440	430	0

06884025 LITTLE BLUE RIVER AT HOLLENBERG, KANS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
MAR.							
18...	1400	3.0	3540	3850	36800	34	39
MAY							
31...	1215	19.0	1650	5360	23700	52	64
JUNE							
03...	1330	18.5	3150	6490	55200	52	63
JULY							
23...	2010	20.0	9390	3520	89200	46	55

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
MAR.						
18...	57	80	85	96	100	--
MAY						
31...	74	88	97	98	98	99
JUNE						
03...	75	92	95	96	97	97
JULY						
23...	66	98	99	99	100	--

DATE	TIME	NUMBER OF SAM- PLING POINTS (00063)	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAR.												
18...	1400	1	3540	27	66	97	99	100	94	98	100	--
18...	1410	4	3540	--	0	12	49	86	94	98	100	--
MAY												
31...	1215	1	1650	0	0	3	15	52	76	95	100	--
31...	1225	1	1650	0	0	39	81	98	100	--	--	--
31...	1235	1	1650	22	30	52	73	95	100	--	--	--
JUNE												
03...	1330	4	3150	0	1	15	43	69	79	93	99	100

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)
NIOBRARA RIVER BASIN										
06453600 - PONCA CREEK AT VERDEL, NEBR. (LAT 42 48 40 LONG 098 10 35)										
JULY, 1975 16...	1010	.17	--	--	--	--	--	--	--	--
06454500 - NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR NEBR (LAT 42 27 35 LONG 103 10 15)										
JULY, 1975 23...	0830	9.0	--	--	--	--	--	--	--	--
AUG. 25...	0945	6.6	52	10	20	45	8.1	28	6.3	226
SEP. 22...	1030	8.6	--	--	--	--	--	--	--	--
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1974 12...	1420	18	55	20	0	22	3.4	6.3	4.0	91
MAY , 1975 21...	0920	30	48	80	10	21	3.2	6.7	5.4	95
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1974 12...	1300	63	58	10	0	25	3.1	6.8	3.8	100
MAY , 1975 19...	0925	64	53	50	5	24	3.5	6.6	5.6	104
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
NOV., 1974 13...	1005	1.7	53	20	0	20	3.9	6.9	4.1	83
MAY , 1975 21...	1100	2.6	46	340	30	21	3.8	7.6	5.2	90

DATE	CAR- BONATE (CO3) (MG/L) (00445)	ALKA- LINITY AS CACO3 (MG/L) (00410)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO- GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO- GEN (N) (MG/L) (00605)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)
NIOBRARA RIVER BASIN										
06453600 - PONCA CREEK AT VERDEL, NEBR. (LAT 42 48 40 LONG 098 10 35)										
JULY, 1975 16...	--	--	--	19	--	.02	--	.04	.37	.41
06454500 - NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR NEBR (LAT 42 27 35 LONG 103 10 15)										
JULY, 1975 23...	--	--	--	5.5	--	.63	--	.04	.34	.38
AUG. 25...	0	185	12	3.5	.6	.94	--	.00	.38	.38
SEP. 22...	--	--	--	5.0	--	.94	--	.00	.25	.25
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1974 12...	0	75	3.0	1.0	.3	--	.46	--	--	--
MAY , 1975 21...	0	78	3.6	.9	.3	--	.30	--	--	--
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1974 12...	0	82	3.5	1.1	.3	--	.47	--	--	--
MAY , 1975 19...	0	85	3.2	1.9	.3	--	.29	--	--	--
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
NOV., 1974 13...	0	68	8.2	.1	.2	--	1.9	--	--	--
MAY , 1975 21...	0	74	2.6	1.5	.3	--	1.7	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NIOBRARA RIVER BASIN										
06453600 - PONCA CREEK AT VERDEL, NEBR. (LAT 42 48 40 LONG 098 10 35)										
JULY, 1975										
16...	.43	.06	.05	1220	--	1.66	.56	--	--	--
06454500 - NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR NEBR (LAT 42 27 35 LONG 103 10 15)										
JULY, 1975										
23...	1.0	.06	.04	273	--	.37	6.63	--	--	--
AUG.										
25...	1.3	.04	.02	--	267	.36	4.76	150	0	1.0
SEP.										
22...	1.2	.01	.00	272	--	.37	6.32	--	--	--
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1974										
12...	--	--	.13	--	142	.19	7.28	69	0	.3
MAY , 1975										
21...	--	--	.11	--	137	.19	11.1	66	0	.4
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1974										
12...	--	--	.10	--	153	.21	26.0	75	0	.3
MAY , 1975										
19...	--	--	.10	--	151	.21	26.1	74	0	.3
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
NOV., 1974										
13...	--	--	.18	--	146	.20	.67	66	0	.4
MAY , 1975										
21...	--	--	.24	--	140	.19	.98	68	0	.4

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NIOBRARA RIVER BASIN										
06453600 - PONCA CREEK AT VERDEL, NEBR. (LAT 42 48 40 LONG 098 10 35)										
JULY, 1975										
16...	1530	7.5	29.5	--	2	7.3	1.9	830	2600	--
06454500 - NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR NEBR (LAT 42 27 35 LONG 103 10 15)										
JULY, 1975										
23...	390	7.1	18.0	--	20	10.1	1.1	1800	4200	--
AUG.										
25...	388	7.2	12.0	20	25	11.5	2.0	380	220	160
SEP.										
22...	382	7.3	8.0	--	20	13.2	--	67	63	--
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)										
NOV., 1974										
12...	160	8.0	7.5	3	--	--	--	--	--	30
MAY , 1975										
21...	163	7.5	10.5	5	--	--	--	--	--	40
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)										
NOV., 1974										
12...	174	--	7.0	0	--	--	--	--	--	30
MAY , 1975										
19...	182	7.5	16.0	4	--	--	--	--	--	0
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)										
NOV., 1974										
13...	165	--	5.0	5	--	--	--	--	--	30
MAY , 1975										
21...	168	7.2	11.0	20	--	--	--	--	--	50

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
NIOBRARA RIVER BASIN										
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1974 13...	1130	32	54	20	0	28	5.3	10	5.9	122
MAY , 1975 21...	1230	52	48	60	10	26	3.9	8.6	6.8	113
PLATTE RIVER BASIN										
06764880 - SOUTH PLATTE RIVER AT ROSCOE NEBR (LAT 41 07 33 LONG 101 34 35)										
JULY, 1975 21...	1130	37	--	--	--	--	--	--	--	--
AUG. 27...	0900	15	23	10	100	140	53	140	15	232
SEP. 24...	0830	170	--	--	--	--	--	--	--	--
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1974 21...	1315	4.4	21	--	--	89	19	140	6.3	292
MAR., 1975 20...	1515	91	9.2	--	--	40	11	27	6.2	139
JUNE 05...	0945	11	--	--	--	--	--	--	--	--
SEP. 27...	0800	3.8	18	--	--	110	23	180	7.6	261
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1974 22...	0945	27	21	--	--	110	34	1600	14	391
MAR., 1975 06...	1050	88	16	--	--	75	23	550	11	271
JUNE 05...	1115	55	--	--	--	--	--	--	--	--
SEP. 16...	1000	18	17	--	--	110	48	2600	16	381

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
NIOBRARA RIVER BASIN										
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1974 13...	0	100	5.6	4.2	.3	--	1.4	--	--	--
MAY , 1975 21...	0	93	5.1	2.3	.3	--	.71	--	--	--
PLATTE RIVER BASIN										
06764880 - SOUTH PLATTE RIVER AT ROSCOE NEBR (LAT 41 07 33 LONG 101 34 35)										
JULY, 1975 21...	--	--	--	69	--	.06	--	.03	.49	.52
AUG. 27...	0	190	600	67	.7	.31	--	.03	.20	.23
SEP. 24...	--	--	--	81	--	.08	--	.00	1.2	1.2
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1974 21...	0	240	84	200	.3	.74	.69	.09	.81	.90
MAR., 1975 20...	0	114	45	28	.5	1.8	.07	.25	1.3	1.5
JUNE 05...	--	--	--	58	--	1.2	1.1	.13	1.8	1.9
SEP. 27...	0	214	160	270	.3	.39	--	.08	.77	.85
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1974 22...	0	321	310	2400	.5	.88	.87	.43	.29	.72
MAR., 1975 06...	0	222	140	770	.4	1.7	1.5	.42	1.5	1.9
JUNE 05...	--	--	--	1300	--	.87	.85	.17	4.1	4.3
SEP. 16...	0	313	480	3700	.6	.39	--	.50	.90	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
NIOBRARA RIVER BASIN										
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1974 13...	--	--	.32	--	180	.24	15.6	92	0	.5
MAY , 1975 21...	--	--	.24	--	160	.22	22.5	81	0	.4
PLATTE RIVER BASIN										
06764880 - SOUTH PLATTE RIVER AT ROSCOE NEBR (LAT 41 07 33 LONG 101 34 35)										
JULY, 1975 21...	.58	.14	.18	1240	--	1.69	124	--	--	--
AUG. 27...	.54	.21	.19	--	1150	1.56	46.6	570	380	2.6
SEP. 24...	1.3	.17	.06	1460	--	1.99	670	--	--	--
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1974 21...	1.6	.54	.39	721	707	.98	8.57	300	61	3.5
MAR., 1975 20...	3.3	.50	.31	255	236	.35	62.7	150	31	1.0
JUNE 05...	3.1	.51	.31	479	--	.65	14.6	--	--	--
SEP. 27...	1.2	.27	.18	925	898	1.26	9.49	370	160	4.1
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1974 22...	1.6	.45	.39	4640	4690	6.31	338	410	94	34
MAR., 1975 06...	3.6	.48	.29	1770	1730	2.41	4240	280	60	14
JUNE 05...	5.2	.34	.25	2770	--	3.77	414	--	--	--
SEP. 16...	1.8	.29	.18	7050	7160	9.59	343	470	160	52

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
NIOBRARA RIVER BASIN										
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)										
NOV., 1974 13...	237	--	7.5	3	--	--	--	--	--	40
MAY , 1975 21...	205	7.7	14.0	5	--	--	--	--	--	50
PLATTE RIVER BASIN										
06764880 - SOUTH PLATTE RIVER AT ROSCOE NEBR (LAT 41 07 33 LONG 101 34 35)										
JULY, 1975 21...	1750	7.7	24.5	--	15	11.8	1.2	500	72	--
AUG. 27...	1550	7.3	23.0	5	20	8.5	2.0	870	200	280
SEP. 24...	1880	7.4	12.0	--	30	12.1	--	2100	4500	--
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)										
NOV., 1974 21...	1230	7.5	5.0	5	50	12.3	2.5	220	930	90
MAR., 1975 20...	414	6.5	8.5	50	80	9.9	5.3	125	2520	40
JUNE 05...	784	7.6	19.0	--	70	7.8	3.9	3300	2950	--
SEP. 27...	1520	7.5	12.0	5	25	9.6	--	290	100	110
06803190 - SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 03 LONG 096 42 03)										
NOV., 1974 22...	8100	7.5	6.0	5	8	11.0	1.8	270	200	470
MAR., 1975 06...	3190	7.5	1.5	50	45	12.4	4.4	200	8000	210
JUNE 05...	4910	7.8	19.0	--	35	9.8	2.9	550	1720	--
SEP. 16...	11500	7.6	16.5	5	7	10.8	--	630	620	770

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
PLATTE RIVER BASIN										
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1974 22...	0915	1.2	30	--	--	140	32	1400	15	286
MAR., 1975 06...	0930	1.7	21	--	--	98	28	910	9.7	235
JUNE 05...	1200	2.4	--	--	--	--	--	--	--	--
SEP. 16...	1100	1.6	41	--	--	110	34	840	18	211
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1974 22...	1015	18	22	--	--	110	30	1200	19	463
MAR., 1975 06...	1030	42	18	--	--	91	25	650	10	353
JUNE 05...	1030	39	--	--	--	--	--	--	--	--
SEP. 16...	1030	7.8	12	--	--	110	43	2500	20	449
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
NOV., 1974 20...	1445	2.5	26	--	--	88	20	46	6.8	391
MAR., 1975 12...	0930	5.2	17	--	--	91	20	93	5.2	304
JUNE 06...	1115	3.3	18	--	--	74	21	44	5.5	345
SEP. 17...	1230	.32	23	--	--	74	19	58	6.2	352

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
PLATTE RIVER BASIN										
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1974 22...	0	235	290	2100	.5	4.2	4.1	.18	.31	.49
MAR., 1975 06...	0	193	210	1400	.4	3.4	3.2	.23	.87	1.1
JUNE 05...	--	--	--	1300	--	2.2	2.2	.02	3.5	3.5
SEP. 16...	0	173	150	1400	1.0	2.7	--	.04	.61	.65
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1974 22...	0	380	230	1700	.5	.98	.96	.40	.31	.71
MAR., 1975 06...	0	290	140	950	.3	1.2	1.1	.43	.87	1.3
JUNE 05...	--	--	--	610	--	2.4	2.4	.73	.27	1.0
SEP. 16...	0	368	180	3800	.5	.05	--	.43	1.1	1.5
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
NOV., 1974 20...	0	321	55	16	.3	2.2	2.2	.21	.42	.63
MAR., 1975 12...	0	249	76	12	.4	3.0	2.7	.35	.75	1.1
JUNE 06...	0	283	56	12	.4	1.7	1.2	.10	1.5	1.6
SEP. 17...	0	289	61	23	.3	.33	--	.99	1.4	2.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
PLATTE RIVER BASIN										
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1974 22...	4.7	.48	.49	4150	4170	5.64	13.4	480	250	28
MAR., 1975 06...	4.5	.48	.37	2930	2810	3.98	14.1	360	170	21
JUNE 05...	5.7	.72	.65	3010	--	4.09	19.8	--	--	--
SEP. 16...	3.4	.48	.41	2870	2700	3.90	12.4	410	240	18
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1974 22...	1.7	.44	.43	3510	3540	4.77	171	400	18	26
MAR., 1975 06...	2.5	.32	.27	2110	2060	2.87	243	330	41	16
JUNE 05...	3.4	.27	.11	1390	--	1.89	148	--	--	--
SEP. 16...	1.6	.27	.10	7010	6890	9.53	148	450	83	51
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
NOV., 1974 20...	2.8	.54	.44	474	461	.64	3.84	300	0	1.2
MAR., 1975 12...	4.1	.44	.44	406	477	.55	5.48	310	60	2.3
JUNE 06...	3.3	.45	.32	414	406	.56	2.46	270	0	1.2
SEP. 17...	2.7	.67	.58	430	438	.58	.37	260	0	1.6

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)	DIS-SOLVED BORON (B) (UG/L) (01020)
PLATTE RIVER BASIN										
06803405 - ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR (LAT 40 49 44 LONG 096 41 58)										
NOV., 1974 22...	7240	7.7	11.0	0	2	10.6	1.7	58	40	330
MAR., 1975 06...	5330	7.3	5.0	60	55	10.9	3.1	220	2020	220
JUNE 05...	2560	8.2	25.0	--	4	17.8	3.7	23	1700	--
SEP. 16...	4390	8.1	20.0	4	3	15.8	--	120	252	230
06803493 - OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR. (LAT 40 50 10 LONG 096 42 03)										
NOV., 1974 22...	5130	7.7	5.5	5	10	10.7	1.8	21	48	400
MAR., 1975 06...	3840	7.4	.5	20	15	14.1	3.6	867	2500	260
JUNE 05...	2550	7.6	19.0	--	60	6.5	4.2	2030	380	--
SEP. 16...	11000	7.7	16.0	5	20	5.7	--	470	288	800
06803523 - STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR. (LAT 40 52 35 LONG 096 36 16)										
NOV., 1974 20...	758	7.7	7.5	5	15	10.9	2.0	2000	550	100
MAR., 1975 12...	657	7.7	.0	20	10	14.0	2.8	1567	1200	70
JUNE 06...	676	7.5	20.0	8	25	8.1	3.7	2330	460	110
SEP. 17...	680	7.5	19.5	4	15	7.7	--	3500	680	320

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PLATTE RIVER BASIN

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (06915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT., 1974										
02...	1350	1.2	29	50	220	58	15	22	4.0	260
MAY , 1975										
28...	1230	8.8	9.6	--	--	38	13	29	44	168
JUNE										
26...	1035	2.3	26	20	0	61	13	22	7.0	259

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (06915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT., 1974										
02...	1310	1.8	26	30	270	53	16	23	2.8	265
MAY , 1975										
28...	1315	18	14	--	--	36	11	17	8.6	156
JUNE										
26...	1100	6.0	26	20	170	61	12	22	3.5	257

06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (06915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
MAY , 1975										
28...	1430	34	14	--	--	41	12	14	4.8	172
JUNE										
26...	1140	17	26	40	300	60	14	16	3.5	241

WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (06915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT., 1974										
02...	1145	4.2	21	50	140	65	17	35	4.3	314
JUNE, 1975										
18...	1340	63	7.8	80	60	24	5.1	9.1	7.3	101
26...	0945	24	20	20	40	61	13	28	5.4	258

PLATTE RIVER BASIN

06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT., 1974										
02...	0	213	33	7.3	.3	3.7	3.7	.08	.62	.70
MAY , 1975										
28...	0	138	40	39	.4	9.1	8.8	4.5	20	24
JUNE										
26...	0	212	31	8.5	.4	3.3	--	.18	1.6	1.8

06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT., 1974										
02...	0	217	24	4.9	.3	4.3	4.0	.13	.67	.80
MAY , 1975										
28...	0	128	26	7.4	.3	2.9	2.9	.78	3.0	3.8
JUNE										
26...	0	211	22	5.2	.4	4.6	--	.04	1.3	1.3

06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
MAY , 1975										
28...	0	141	21	4.5	.3	4.4	4.1	.62	2.5	3.1
JUNE										
26...	0	198	25	5.0	.3	6.2	--	.05	1.1	1.1

WEEPING WATER CREEK BASIN

06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT., 1974										
02...	0	258	44	6.9	.4	2.3	2.3	.40	.70	1.1
JUNE, 1975										
18...	0	83	14	4.7	.4	1.9	1.9	.02	10	10
26...	0	212	44	6.4	.4	2.6	--	.14	1.1	1.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
PLATTE RIVER BASIN										
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)										
OCT., 1974										
02...	4.4	.24	.20	313	314	.43	1.01	210	0	.7
MAY , 1975										
28...	33	2.4	.55	410	335	.56	9.74	150	11	1.0
JUNE										
26...	5.1	.50	.29	316	297	.43	1.96	210	0	.7
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)										
OCT., 1974										
02...	5.1	.22	.17	296	299	.40	1.44	200	0	.7
MAY , 1975										
28...	6.7	.56	.16	212	210	.29	10.3	140	7	.6
JUNE										
26...	5.9	.40	.25	297	279	.40	4.81	200	0	.7
06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)										
MAY , 1975										
28...	7.5	.66	.12	218	215	.30	20.0	150	11	.5
JUNE										
26...	7.3	.36	.24	299	269	.41	13.7	210	10	.5
WEEPING WATER CREEK BASIN										
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)										
OCT., 1974										
02...	3.4	.56	.49	363	359	.49	4.12	230	0	1.0
JUNE, 1975										
18...	12	.62	.18	144	131	.20	24.6	81	0	.4
26...	3.8	.56	.38	321	306	.44	20.8	210	0	.9

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
PLATTE RIVER BASIN										
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)										
OCT., 1974										
02...	508	7.8	11.0	7	15	10.4	3.0	250	--	100
MAY , 1975										
28...	600	--	18.0	230	--	5.8	7.6	>60000	--	80
JUNE										
26...	511	7.4	24.0	20	100	5.9	4.6	2000	--	60
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)										
OCT., 1974										
02...	493	7.8	9.0	8	20	9.5	2.9	210	--	110
MAY , 1975										
28...	341	7.3	19.0	200	--	7.8	30	114000	--	40
JUNE										
26...	474	7.5	24.0	20	70	6.8	1.6	2330	--	50
06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)										
MAY , 1975										
28...	342	7.2	19.5	40	--	9.2	5.4	27300	--	20
JUNE										
26...	474	7.6	23.0	20	60	7.7	1.8	1000	--	100
WEEPING WATER CREEK BASIN										
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)										
OCT., 1974										
02...	594	7.9	11.0	5	10	10.1	3.2	4900	--	130
JUNE, 1975										
18...	208	7.3	19.0	350	750	8.2	--	300000	--	90
26...	505	7.5	25.0	4	50	5.1	3.9	11300	--	90

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WEEPING WATER CREEK BASIN

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)
OCT., 1974 02...	1100	5.7	22	20	450	58	14	19	3.4	260
MAY , 1975 28...	1615	40	18	--	--	50	13	13	6.7	214
JUNE 26...	1330	16	19	30	60	44	10	14	6.8	185

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITROGEN (N) (MG/L) (00610)	TOTAL ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)
OCT., 1974 02...	0	213	25	4.3	.3	2.9	2.9	.11	.89	1.0
MAY , 1975 28...	0	176	28	8.6	.3	3.0	3.0	.33	4.3	4.6
JUNE 26...	0	152	18	5.0	.4	2.9	--	.05	3.2	3.2

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)
OCT., 1974 02...	3.9	.34	.18	317	287	.43	4.88	200	0	.6
MAY , 1975 28...	7.6	.89	.22	266	256	.36	28.7	180	3	.4
JUNE 26...	6.1	.69	.19	233	209	.32	10.1	150	0	.5

06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L) (00310)	FECAL COLIFORM (COL. PER 100 ML) (31616)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)	DISSOLVED BORON (B) (UG/L) (01020)
OCT., 1974 02...	476	7.7	8.0	40	35	10.4	2.6	310	--	0
MAY , 1975 28...	408	7.5	20.0	30	--	7.8	5.4	100000	--	20
JUNE 26...	363	7.6	26.0	45	300	6.6	3.0	3330	--	50

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

KANSAS RIVER BASIN

06829500 - REPUBLICAN RIVER AT TRENTON, NEBR.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	ALKALINITY AS CACO3 (MG/L) (00410)
JAN.										
14...	0915	1.2	40	67	23	58	14	313	0	257
AUG.										
01...	0945	89	--	--	--	--	--	--	--	--
13...	1015	100	14	42	20	41	15	230	0	189
SEP.										
10...	1030	.80	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)
JAN.									
14...	110	17	1.2	.66	.00	488	.66	1.58	260
AUG.									
01...	--	--	--	--	--	--	--	--	--
13...	83	12	1.3	.21	.01	343	.47	92.6	190
SEP.									
10...	--	--	--	--	--	--	--	--	--

DATE	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	DISSOLVED BORON (B) (UG/L) (01020)
JAN.									
14...	5	1.6	753	7.3	1.0	5	6	11.3	160
AUG.									
01...	--	--	540	7.8	20.5	--	20	8.8	--
13...	0	1.3	480	7.5	22.0	15	35	7.4	110
SEP.									
10...	--	--	550	7.5	20.0	--	7	11.9	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	TEMPERATURE (DEG C) (00010)
NIOBRARA RIVER BASIN				
06465000 - NIOBRARA RIVER NEAR SPENCER, NEBR. (LAT 42 48 33 LONG 098 30 19)				
OCT., 1974				
14...	1610	835	198	17.5
NOV.				
05...	1515	1110	245	6.0
FEB., 1975				
19...	1255	1380	247	.5
APR.				
03...	1545	1390	271	2.0
22...	1210	1600	268	12.0
MAY				
13...	1030	1570	265	15.5
JUNE				
03...	1045	1230	259	18.0
JULY				
14...	1850	637	244	26.5
AUG.				
04...	1510	589	232	28.0
SEP.				
15...	1805	721	240	21.0
PLATTE RIVER BASIN				
06767500 - PLUM CREEK NEAR SMITHFIELD, NEBR. (LAT 40 39 40 LONG 099 42 00)				
OCT., 1974				
30...	1425	.65	173	13.5
APR., 1975				
29...	1530	.10	273	--
06780000 - MIDDLE LOUP RIVER AT ROCKVILLE NEBR (LAT 41 06 39 LONG 098 50 19)				
OCT., 1974				
10...	1325	365	234	16.0
JAN., 1975				
06...	1410	858	242	.5
FEB.				
18...	1425	1090	230	.0
APR.				
15...	1310	888	248	8.0
MAY				
06...	1410	289	264	20.0
JUNE				
19...	1450	568	233	25.0
JULY				
11...	1140	75	346	21.0
AUG.				
18...	1455	96	298	28.0
SEP.				
10...	1350	103	279	25.5
06782500 - SOUTH LOUP RIVER AT RAVENNA, NEBR. (LAT 41 00 42 LONG 098 54 44)				
OCT., 1974				
10...	1120	117	366	14.0
DEC.				
09...	1315	112	390	.5
JAN., 1975				
06...	1150	124	389	.0
FEB.				
03...	1330	158	385	1.0
MAR.				
04...	1205	201	372	1.0
APR.				
15...	1115	250	367	9.0
MAY				
06...	1120	163	343	18.5
JULY				
11...	1410	142	375	26.0
AUG.				
18...	1140	79	353	24.0
SEP.				
10...	1140	73	328	23.0
06795500 - SHELL CREEK NEAR COLUMBUS, NEBR. (LAT 41 31 33 LONG 097 16 55)				
OCT., 1974				
16...	1420	3.9	669	12.0
MAR., 1975				
11...	1215	13	579	.0
APR.				
24...	1300	48	420	16.5
MAY				
15...	0845	13	609	14.5
JULY				
16...	1815	3.8	481	29.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
PLATTE RIVER BASIN				
06797500 - ELKHORN RIVER AT EWING, NEBR. (LAT 42 16 03 LONG 098 20 11)				
OCT., 1974				
30...	1400	42	235	15.0
DEC.				
11...	1235	41	222	.0
JAN., 1975				
02...	1555	39	208	.0
23...	1145	20	215	.0
FEB.				
13...	1530	16	222	.5
MAR.				
05...	1450	92	165	3.0
APR.				
22...	1600	133	211	14.0
MAY				
13...	1450	88	204	15.5
JUNE				
03...	1530	48	224	26.5
JULY				
15...	1200	38	839	26.0
AUG.				
05...	1010	21	221	22.5
SEP.				
16...	1100	9.7	206	16.5
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)				
OCT., 1974				
30...	1600	158	230	14.5
DEC.				
11...	1500	160	257	1.0
JAN., 1975				
02...	1445	127	270	.0
23...	1405	142	280	1.0
FEB.				
13...	1355	104	243	.0
MAR.				
05...	1610	288	219	1.0
APR.				
24...	1420	301	268	15.0
MAY				
13...	1715	227	258	15.5
JUNE				
03...	1800	127	271	26.5
JULY				
15...	1500	100	277	30.5
AUG.				
28...	1320	56	278	26.5
SEP.				
18...	1140	58	263	17.5
06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)				
OCT., 1974				
31...	1105	242	310	16.0
DEC.				
11...	1720	291	350	.0
JAN., 1975				
03...	1115	203	425	.0
24...	0820	322	333	.0
FEB.				
14...	1030	185	338	.5
MAR.				
06...	1010	444	279	1.0
APR.				
17...	0900	672	328	14.0
JUNE				
18...	0930	345	295	23.0
JULY				
11...	1045	233	308	22.5
AUG.				
21...	1000	138	306	26.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
PLATTE RIVER BASIN				
06799500 - LOGAN CREEK NEAR UEHLING, NEBR. (LAT 41 42 50 LONG 096 31 15)				
OCT., 1974				
31...	1700	107	667	16.0
DEC.				
12...	1340	70	876	.5
JAN., 1975				
22...	1100	42	748	.0
FEB.				
13...	1345	60	813	.0
MAR.				
04...	1315	73	725	1.0
APR.				
09...	1300	274	433	--
JUNE				
17...	1045	105	734	24.0
JULY				
11...	1400	99	625	24.0
AUG.				
19...	1410	69	577	29.0
KANSAS RIVER BASIN				
06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)				
APR., 1975				
21...	1255	33	415	14.0
MAY				
19...	1340	29	408	23.0
JUNE				
16...	1230	37	467	20.5
06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)				
OCT., 1974				
23...	1200	29	437	12.0
NOV.				
18...	1230	36	452	4.5
06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)				
OCT., 1974				
18...	1050	.05	577	12.0
DEC.				
18...	1430	.03	624	.0
JAN., 1975				
08...	1205	.37	636	.0
FEB.				
21...	1410	.02	738	--
APR.				
10...	1040	.48	330	6.0
24...	1530	1.9	414	16.0
MAY				
15...	1130	3.0	291	22.5
JUNE				
06...	1100	.20	292	24.0
JULY				
18...	0940	7.7	422	28.0
AUG.				
29...	0930	3.7	543	23.5
06883000 - LITTLE BLUE RIVER NEAR DEWEESE, NEBR. (LAT 40 19 58 LONG 098 04 20)				
APR., 1975				
29...	1000	145	252	11.0
MAY				
28...	0835	100	326	16.0
JULY				
08...	1015	86	387	23.0
AUG.				
04...	1930	153	359	28.0
SEP.				
02...	1850	47	758	27.0

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C) (00010)	INSTANTANEOUS DISCHARGE (CFS) (00061)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGF (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
ELKHORN RIVER BASIN												
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)												
APR., 1975												
24...	1910	15.0	301	194	158	--	--	--	--	--	--	--
JUNE												
03...	1850	26.5	127	72	25	--	--	--	--	--	--	--
24...	1210	23.5	560	354	535	--	--	--	--	--	--	--
JULY												
15...	1605	30.5	100	73	20	--	--	--	--	--	--	--
AUG.												
07...	1150	24.0	60	125	20	--	--	--	--	--	--	--
28...	1420	26.5	56	45	6.8	--	--	--	--	--	--	--
SEP.												
18...	1250	17.5	56	33	5.2	--	--	--	--	--	--	--
PLATTE RIVER BASIN												
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)												
MAY , 1975												
28...	1240	18.0	8.8	3790	90	71	84	98	100	--	--	--
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)												
MAY , 1975												
28...	1340	19.0	18	2320	113	60	73	88	99	100	--	--
06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)												
MAY , 1975												
28...	1445	19.5	34	1180	108	61	74	86	99	100	--	--
WEEPING WATER CREEK BASIN												
06806460 - WEEPING WATER CR AT WEEPING WATER, NEBR. (LAT 40 51 18 LONG 096 07 10)												
JUNE, 1975												
10...	1335	19.0	63	3740	636	64	77	96	100	--	--	--

DATE	TIME	TEMPERATURE (DEG C) (00010)	INSTANTANEOUS DISCHARGE (CFS) (00061)	SUSPENDED SEDIMENT (MG/L) (80154)	SUSPENDED SEDIMENT DISCHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
WEEPING WATER CREEK BASIN												
06806495 - S BR WEEPING WATER CREEK NEAR UNION NEBR (LAT 40 48 45 LONG 095 56 43)												
MAY , 1975												
29...	1645	20.0	40	1300	140	43	61	87	98	100	--	--
KANSAS RIVER BASIN												
06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)												
NOV., 1974												
18...	1400	6.5	27	88	6.4	--	--	--	--	--	--	--
JUNE, 1975												
30...	0925	21.0	29	232	18	--	--	--	--	--	--	--
JULY												
17...	0900	23.5	270	1110	809	--	--	--	67	94	98	100
28...	0950	20.0	274	1060	784	--	--	--	--	--	--	--
AUG.												
11...	1015	23.5	280	815	616	--	--	--	58	90	97	100
25...	1540	23.5	307	762	632	--	--	--	--	--	--	--

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
PLATTE RIVER BASIN									
06793000 - LOUP RIVER NEAR GENOA, NEBR. (LAT 41 25 05 LONG 097 43 25)									
JAN. 09...	1230	1.0	840	1800	4080	0	12	90	100
MAR. 12...	1225	1.0	403	550	598	86	90	100	--
JUNE 05...	1550	26.0	8.6	338	7.8	--	--	--	--
JULY 17...	1310	29.5	4.9	90	1.2	--	--	--	--

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	INSTAN-TANEOUS DIS-CHARGE (CFS) (00061)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
ELKHORN RIVER BASIN												
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)												
APR., 1975 24...	1510	26	301	--	0	32	81	96	100	--	--	--
JUNE 03...	1850	19	127	0	2	45	87	98	99	100	--	--
24...	1210	13	560	0	2	50	91	97	98	99	100	--
JULY 15...	1605	20	100	0	1	38	87	98	99	100	--	--
AUG. 07...	1150	15	60	2	9	51	93	99	100	--	--	--
28...	1420	20	56	0	3	49	87	98	100	--	--	--
SEP. 18...	1250	25	58	0	4	47	89	98	99	100	--	--
PLATTE RIVER BASIN												
06805499 - MILL CREEK AT LOUISVILLE NEBR (LAT 41 00 13 LONG 096 09 35)												
MAY , 1975 28...	1240	6	8.8	11	23	36	55	68	76	84	92	100
06805525 - CEDAR CREEK NEAR LOUISVILLE NEBR (LAT 41 00 05 LONG 096 07 15)												
MAY , 1975 28...	1340	7	18	21	58	68	85	98	99	100	--	--
06805565 - FOURMILE CREEK NEAR PLATTSMOUTH, NEBR. (LAT 41 01 02 LONG 095 57 46)												
MAY , 1975 28...	1445	6	34	43	62	69	75	92	98	100	--	--
KANSAS RIVER BASIN												
06834000 - FRENCHMAN CREEK AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)												
NOV., 1974 18...	1400	9	27	--	0	15	56	91	97	100	--	--
JULY, 1975 17...	0940	20	270	1	4	16	54	85	93	98	100	--

(Local identifier: indicates location by township, range, and section. Geologic unit: 110 QRNR, Quaternary System; 110 SDGV, Quaternary sand and gravel deposits; 110 WDBS, Quaternary windblown sand deposits; 111 ALVL, Holocene alluvium; 112 SDGV, Pleistocene sand and gravel deposits; 121 OGLL, Ogallala Formation; 211 DKOT, Dakota Formation; 300 PLZC, Paleozoic erathem)

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
ADAMS COUNTY										
7N 9W11DC 1	40 35 03	098 18 13	01	112SDGV	200	75-02-25	25	10	0	71
8N 12W34BC 3	40 37 10	098 39 51	03	112SDGV	200	75-02-25	30	10	0	38
ANTELOPE COUNTY										
23N 7W 3AADD1	41 59 55	098 06 19	01	112SDGV	260	74-10-08	38	50	0	73
24N 5W31BAAB1	42 01 00	097 56 34	01	112SDGV	120	74-10-08	39	50	0	63
BUFFALO COUNTY										
8N 16W 2AC 1	40 41 38	099 05 30	01	112SDGV	47	74-10-30	--	--	--	--
				112SDGV	47	74-11-25	--	--	--	--
				112SDGV	47	74-12-19	--	--	--	--
				112SDGV	47	75-01-30	--	--	--	--
				112SDGV	47	75-04-30	--	--	--	--
				112SDGV	47	75-08-11	--	--	--	--
8N 16W 2DC 1	40 41 12	099 05 30	01	112SDGV	50	74-10-30	--	--	--	--
				112SDGV	50	74-11-25	--	--	--	--
				112SDGV	50	74-12-19	--	--	--	--
				112SDGV	50	75-01-30	--	--	--	--
				112SDGV	50	75-04-30	--	--	--	--
				112SDGV	50	75-08-11	--	--	--	--
9N 14W13DB 1	40 44 46	098 50 36	01	112SDGV	55	74-10-30	--	--	--	--
				112SDGV	55	74-11-25	--	--	--	--
				112SDGV	55	74-12-18	--	--	--	--
				112SDGV	55	75-01-30	--	--	--	--
				112SDGV	55	75-04-30	--	--	--	--
				112SDGV	55	75-08-12	--	--	--	--
9N 14W18CCBC1	40 44 43	098 56 56	01	112SDGV	60	74-12-18	--	--	--	--
				112SDGV	60	75-04-30	--	--	--	--
				112SDGV	60	75-08-12	--	--	--	-
9N 15W13DBBA1	40 44 59	098 57 26	01	112SDGV	35	74-10-30	--	--	--	--
				112SDGV	35	74-11-27	--	--	--	--
				112SDGV	35	74-12-18	--	--	--	--
				112SDGV	35	75-01-30	--	--	--	--
				112SDGV	35	75-04-30	--	--	--	--
				112SDGV	35	75-08-12	--	--	--	--
9N 15W31CBC 1	40 42 12	099 03 51	01	112SDGV	62	74-10-30	--	--	--	--
				112SDGV	62	74-11-25	--	--	--	--
				112SDGV	62	74-12-19	--	--	--	--
				112SDGV	62	75-01-30	--	--	--	--
				112SDGV	62	75-04-30	--	--	--	--
				112SDGV	62	75-08-11	--	--	--	--
9N 15W31CD 1	40 42 05	099 03 26	01	112SDGV	60	75-04-30	--	--	--	--
				112SDGV	60	75-08-11	--	--	--	--
9N 18W28ADC 1	40 43 26	099 22 20	01	121OGLL	320	74-10-30	--	--	--	--
				121OGLL	320	74-11-26	--	--	--	--
				121OGLL	320	74-12-19	--	--	--	--
				121OGLL	320	75-01-30	--	--	--	--
				121OGLL	320	75-04-29	--	--	--	--
				121OGLL	320	75-08-11	--	--	--	--
BURT COUNTY										
21N 8E28CCDB1	41 47 14	096 30 28	01	211DKOT	307	74-10-11	9.1	2500	130	240
23N 8E24BD 1	41 57 10	096 28 31	01	110SDGV	86	74-10-11	26	1900	820	81
CLAY COUNTY										
6N 8W 8CB 3	40 30 01	098 15 29	03	112SDGV	192	75-02-25	26	10	10	42
7N 5W 2AA 1	40 36 34	097 50 43	01	112SDGV	215	75-02-25	29	90	0	60
8N 7W27DC 1	40 37 39	098 05 48	01	112SDGV	204	75-02-25	31	30	0	92
COLFAX COUNTY										
17N 3E29AA 2	41 25 10	097 06 03	02	112SDGV	55	75-02-27	29	20	0	57
CUMING COUNTY										
21N 5E23AD 1	41 46 46	096 48 30	01	112SDGV	90	74-10-10	27	40	740	82
22N 5E 3BDDB1	41 54 42	096 50 13	01	112SDGV	80	74-10-10	34	20	30	130
22N 6E33BA 1	41 50 26	096 44 26	01	111ALVM	36	74-10-10	37	30	150	76
23N 4E 8AC 1	41 59 00	096 59 16	01	112SDGV	87	74-10-10	39	1100	380	58
DAWSON COUNTY										
9N 21W31BABB1	40 42 52	099 45 42	01	112SDGV	74	74-12-19	--	--	--	--
				112SDGV	74	75-04-29	--	--	--	--
				112SDGV	74	75-08-11	--	--	--	--
9N 21W32CBBC1	40 42 22	099 44 55	01	112SDGV	20	74-10-31	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRATE (N) (MG/L) (00620)
ADAMS COUNTY										
7N 9W11DC 1	75-02-25	10	33	6.6	221	0	49	33	.4	--
8N 12W34BC 3	75-02-25	6.0	9.2	5.4	142	0	19	3.0	.3	--
ANTELOPE COUNTY										
23N 7W 3AADD1	74-10-08	15	9.7	14	336	0	11	2.2	.3	--
24N 5W31BAAB1	74-10-08	12	8.7	8.7	266	0	9.4	1.7	.4	--
BUFFALO COUNTY										
8N 16W 2AC 1	74-10-30	--	--	--	--	--	--	34	--	7.9
	74-11-25	--	--	--	--	--	--	33	--	8.1
	74-12-19	--	--	--	--	--	--	35	--	8.7
	75-01-30	--	--	--	--	--	--	36	--	10
	75-04-30	--	--	--	--	--	--	38	--	8.8
	75-08-11	--	--	--	--	--	--	37	--	8.4
8N 16W 20C 1	74-10-30	--	--	--	--	--	--	29	--	7.9
	74-11-25	--	--	--	--	--	--	28	--	7.2
	74-12-19	--	--	--	--	--	--	30	--	7.6
	75-01-30	--	--	--	--	--	--	30	--	3.9
	75-04-30	--	--	--	--	--	--	31	--	9.7
	75-08-11	--	--	--	--	--	--	27	--	6.6
9N 14W13DB 1	74-10-30	--	--	--	--	--	--	75	--	16
	74-11-25	--	--	--	--	--	--	81	--	16
	74-12-18	--	--	--	--	--	--	81	--	16
	75-01-30	--	--	--	--	--	--	80	--	4.5
	75-04-30	--	--	--	--	--	--	79	--	17
	75-08-12	--	--	--	--	--	--	79	--	16
9N 14W18CCBC1	74-12-18	--	--	--	--	--	--	88	--	13
	75-04-30	--	--	--	--	--	--	89	--	15
	75-08-12	--	--	--	--	--	--	86	--	14
9N 15W13DBBA1	74-10-30	--	--	--	--	--	--	270	--	71
	74-11-27	--	--	--	--	--	--	270	--	83
	74-12-18	--	--	--	--	--	--	290	--	69
	75-01-30	--	--	--	--	--	--	250	--	47
	75-04-30	--	--	--	--	--	--	170	--	50
	75-08-12	--	--	--	--	--	--	140	--	40
9N 15W31CBC 1	74-10-30	--	--	--	--	--	--	42	--	7.4
	74-11-25	--	--	--	--	--	--	40	--	6.2
	74-12-19	--	--	--	--	--	--	42	--	7.3
	75-01-30	--	--	--	--	--	--	46	--	5.0
	75-04-30	--	--	--	--	--	--	42	--	2.4
	75-08-11	--	--	--	--	--	--	42	--	7.0
9N 15W31CD 1	75-04-30	--	--	--	--	--	--	34	--	9.5
	75-08-11	--	--	--	--	--	--	37	--	11
9N 18W28ADC 1	74-10-30	--	--	--	--	--	--	9.5	--	2.2
	74-11-26	--	--	--	--	--	--	9.7	--	2.3
	74-12-19	--	--	--	--	--	--	10	--	2.3
	75-01-30	--	--	--	--	--	--	25	--	2.4
	75-04-29	--	--	--	--	--	--	10	--	2.2
	75-08-11	--	--	--	--	--	--	25	--	1.8
BURT COUNTY										
21N 8E28CCDB1	74-10-11	54	180	27	260	0	790	120	2.0	--
23N 8E24BD 1	74-10-11	20	25	3.7	373	0	40	6.8	.3	--
CLAY COUNTY										
6N 8W 8CB 3	75-02-25	5.9	13	5.6	169	0	15	4.2	.4	--
7N 5W 2AA 1	75-02-25	11	24	5.3	256	0	32	14	.3	--
8N 7W27DC 1	75-02-25	15	25	6.4	223	0	140	14	.3	--
COLFAX COUNTY										
17N 3E29AA 2	75-02-27	11	12	5.4	167	0	36	4.2	.3	--
CUMING COUNTY										
21N 5E23AD 1	74-10-10	19	27	4.2	400	0	8.3	2.4	.3	--
22N 5E 3BDDB1	74-10-10	33	38	11	565	0	59	7.0	.4	--
22N 6E33BA 1	74-10-10	21	38	6.8	373	0	23	6.3	.3	--
23N 4E 8AC 1	74-10-10	13	8.5	6.6	229	0	17	1.5	.3	--
DAWSON COUNTY										
9N 21W31BABB1	74-12-19	--	--	--	--	--	--	12	--	.85
	75-04-29	--	--	--	--	--	--	12	--	.82
	75-08-11	--	--	--	--	--	--	12	--	.87
9N 21W32CBBC1	74-10-31	--	--	--	--	--	--	29	--	.98

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
ADAMS COUNTY										
7N 9w11DC 1	75-02-25	--	--	--	--	4.5	--	--	--	--
8N 12w34BC 3	75-02-25	--	--	--	--	1.1	--	--	--	--
ANTELOPE COUNTY										
23N 7w 3AADD1	74-10-08	--	--	--	--	.47	--	--	--	--
24N 5w31BAAB1	74-10-08	--	--	--	--	1.2	--	--	--	--
BUFFALO COUNTY										
8N 16w 2AC 1	74-10-30	--	.00	--	7.9	--	.01	--	--	--
	74-11-25	--	.01	--	8.1	--	.01	--	--	--
	74-12-19	--	.00	--	8.7	--	.04	--	--	--
	75-01-30	--	.00	--	10	--	.00	--	--	--
	75-04-30	--	.00	--	8.8	--	.01	.14	.15	8.9
	75-08-11	--	.00	--	8.4	--	.00	.38	.38	8.8
8N 16w 2DC 1	74-10-30	--	.00	--	7.9	--	.00	--	--	--
	74-11-25	--	.00	--	7.2	--	.01	--	--	--
	74-12-19	--	.00	--	7.6	--	.06	--	--	--
	75-01-30	--	.00	--	3.9	--	.00	--	--	--
	75-04-30	--	.00	--	9.7	--	.01	.23	.24	9.9
	75-08-11	--	.01	--	6.6	--	.00	.57	.57	7.2
9N 14w13DA 1	74-10-30	--	.00	--	16	--	.01	--	--	--
	74-11-25	--	.00	--	16	--	.01	--	--	--
	74-12-18	--	.00	--	16	--	.04	--	--	--
	75-01-30	--	.01	--	4.5	--	.00	--	--	--
	75-04-30	--	.00	--	17	--	.02	.00	.01	17
	75-08-12	--	.01	--	16	--	.31	.16	.47	16
9N 14w18CCAC1	74-12-18	--	.00	--	13	--	.05	--	--	--
	75-04-30	--	.00	--	15	--	.02	.62	.64	16
	75-08-12	--	.01	--	14	--	.00	.72	.72	15
9N 15w13DBBA1	74-10-30	--	.87	--	72	--	1.4	--	--	--
	74-11-27	--	.82	--	84	--	1.1	--	--	--
	74-12-18	--	.58	--	70	--	.92	--	--	--
	75-01-30	--	.57	--	48	--	.17	--	--	--
	75-04-30	--	.00	--	50	--	.11	3.8	3.9	54
	75-08-12	--	.59	--	41	--	.61	6.8	7.4	48
9N 15w31CBC 1	74-10-30	--	.01	--	7.4	--	.01	--	--	--
	74-11-25	--	.00	--	6.2	--	.01	--	--	--
	74-12-19	--	.00	--	7.3	--	.06	--	--	--
	75-01-30	--	.00	--	5.0	--	.01	--	--	--
	75-04-30	--	.00	--	2.4	--	.02	.11	.13	2.5
	75-08-11	--	.01	--	7.0	--	.00	.81	.81	7.8
9N 15w31CD 1	75-04-30	--	.00	--	9.5	--	.01	.22	.23	9.7
	75-08-11	--	.00	--	11	--	.00	.43	.43	11
9N 18w28ADC 1	74-10-30	--	.00	--	2.2	--	.01	--	--	--
	74-11-26	--	.00	--	2.3	--	.01	--	--	--
	74-12-19	--	.00	--	2.3	--	.04	--	--	--
	75-01-30	--	.00	--	2.4	--	.00	--	--	--
	75-04-29	--	.00	--	2.2	--	.01	.02	.03	2.2
	75-08-11	--	.00	--	1.8	--	.00	.25	.25	2.0
BURT COUNTY										
21N 8E28CCDA1	74-10-11	--	--	--	--	.08	--	--	--	--
23N 8E24BD 1	74-10-11	--	--	--	--	.56	--	--	--	--
CLAY COUNTY										
6N 8w 8CB 3	75-02-25	--	--	--	--	1.8	--	--	--	--
7N 5w 2AA 1	75-02-25	--	--	--	--	1.7	--	--	--	--
8N 7w27DC 1	75-02-25	--	--	--	--	.43	--	--	--	--
COLFAX COUNTY										
17N 3E29AA 2	75-02-27	12	--	.00	12	12	.01	.21	.22	12
CUMING COUNTY										
21N 5E23AD 1	74-10-10	--	--	--	--	.63	--	--	--	--
22N 5E 3BDDB1	74-10-10	--	--	--	--	2.5	--	--	--	--
22N 6E33BA 1	74-10-10	--	--	--	--	7.9	--	--	--	--
23N 4E 8AC 1	74-10-10	--	--	--	--	.27	--	--	--	--
DAWSON COUNTY										
9N 21w31BABB1	74-12-19	--	.00	--	.85	--	.05	--	--	--
	75-04-29	--	.00	--	.82	--	.02	.05	.07	.89
	75-08-11	--	.00	--	.87	--	.00	.25	.25	1.1
9N 21w32CBBC1	74-10-31	--	.02	--	1.0	--	.07	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)
ADAMS COUNTY										
7N 9W11DC 1	75-02-25	--	.17	--	357	220	37	1.0	584	6.9
8N 12W34BC 3	75-02-25	--	.24	--	186	120	3	.4	273	6.9
ANTELOPE COUNTY										
23N 7W 3AADD1	74-10-08	--	.24	--	331	240	0	.3	534	7.0
24N 5W31BAAB1	74-10-08	--	.24	--	280	210	0	.3	442	7.1
BUFFALO COUNTY										
8N 16W 2AC 1	74-10-30	--	--	--	--	--	--	--	1100	--
	74-11-25	--	--	--	--	--	--	--	1120	--
	74-12-19	--	--	--	--	--	--	--	1140	--
	75-01-30	--	--	--	--	--	--	--	1100	--
	75-04-30	--	--	--	--	--	--	--	1080	--
	75-08-11	--	--	--	--	--	--	--	1080	6.9
8N 16W 2DC 1	74-10-30	--	--	--	--	--	--	--	1220	--
	74-11-25	--	--	--	--	--	--	--	1220	--
	74-12-19	--	--	--	--	--	--	--	1180	--
	75-01-30	--	--	--	--	--	--	--	1160	--
	75-04-30	--	--	--	--	--	--	--	1250	--
	75-08-11	--	--	--	--	--	--	--	1130	7.0
9N 14W13DB 1	74-10-30	--	--	--	--	--	--	--	1400	--
	74-11-25	--	--	--	--	--	--	--	1420	--
	74-12-18	--	--	--	--	--	--	--	1400	--
	75-01-30	--	--	--	--	--	--	--	1360	--
	75-04-30	--	--	--	--	--	--	--	1380	--
	75-08-12	--	--	--	--	--	--	--	1390	7.3
9N 14W18CCBC1	74-12-18	--	--	--	--	--	--	--	1490	--
	75-04-30	--	--	--	--	--	--	--	1530	--
	75-08-12	--	--	--	--	--	--	--	1490	7.3
9N 15W13DBBA1	74-10-30	--	--	--	--	--	--	--	3040	--
	74-11-27	--	--	--	--	--	--	--	3170	--
	74-12-18	--	--	--	--	--	--	--	3010	--
	75-01-30	--	--	--	--	--	--	--	2900	--
	75-04-30	--	--	--	--	--	--	--	2410	--
	75-08-12	--	--	--	--	--	--	--	2130	6.9
9N 15W31CBC 1	74-10-30	--	--	--	--	--	--	--	1130	--
	74-11-25	--	--	--	--	--	--	--	1130	--
	74-12-19	--	--	--	--	--	--	--	1140	--
	75-01-30	--	--	--	--	--	--	--	1110	--
	75-04-30	--	--	--	--	--	--	--	1060	--
	75-08-11	--	--	--	--	--	--	--	1130	7.0
9N 15W31CD 1	75-04-30	--	--	--	--	--	--	--	1170	--
	75-08-11	--	--	--	--	--	--	--	1220	7.1
9N 18W28ADC 1	74-10-30	--	--	--	--	--	--	--	630	--
	74-11-26	--	--	--	--	--	--	--	633	--
	74-12-19	--	--	--	--	--	--	--	632	--
	75-01-30	--	--	--	--	--	--	--	797	--
	75-04-29	--	--	--	--	--	--	--	644	--
	75-08-11	--	--	--	--	--	--	--	826	7.1
BURT COUNTY										
21N 9E28CCDB1	74-10-11	--	.01	--	1560	820	610	2.7	2200	7.4
23N 8E24BD 1	74-10-11	--	.02	--	392	280	0	.6	605	7.5
CLAY COUNTY										
6N 8W 8CB 3	75-02-25	--	.24	--	203	130	0	.5	319	6.8
7N 5W 2AA 1	75-02-25	--	.16	--	309	200	0	.7	502	7.0
8N 7W27DC 1	75-02-25	--	.20	--	436	290	110	.6	651	6.8
COLFAX COUNTY										
17N 3E29AA 2	75-02-27	.37	.07	288	291	190	51	.4	447	7.9
CUMING COUNTY										
21N 5E23AD 1	74-10-10	--	.32	--	371	280	0	.7	613	--
22N 5E 3BDDB1	74-10-10	--	.12	--	594	460	0	.6	968	7.1
22N 6E33BA 1	74-10-10	--	.50	--	428	280	0	1.0	679	7.0
23N 4E 8AC 1	74-10-10	--	.33	--	252	180	0	.3	394	7.3
DAWSON COUNTY										
9N 21W31BABB1	74-12-19	--	--	--	--	--	--	--	583	--
	75-04-29	--	--	--	--	--	--	--	586	--
	75-08-11	--	--	--	--	--	--	--	603	7.2
9N 21W32CBBC1	74-10-31	--	--	--	--	--	--	--	1370	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
ADAMS COUNTY										
7N 9W11DC 1	75-02-25	20	--	--	--	--	50	--	--	--
8N 12W34BC 3	75-02-25	10	--	--	--	--	80	--	--	--
ANTELOPE COUNTY										
23N 7W 3AADD1	74-10-08	2	--	--	--	--	60	--	--	--
24N 5W31BAAB1	74-10-08	0	--	--	--	--	40	--	--	--
BUFFALO COUNTY										
8N 16W 2AC 1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
8N 16W 2DC 1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
9N 14W13DB 1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
9N 14W18CCBC1	74-12-18	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
9N 15W13DBBA1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
9N 15W31CBC 1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
9N 15W31CD 1	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
9N 18W28ADC 1	74-10-30	--	--	--	--	--	--	--	--	--
	74-11-26	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
BURT COUNTY										
21N 8E28CCDB1	74-10-11	0	--	--	--	--	620	--	--	--
23N 8E24BD 1	74-10-11	2	--	--	--	--	70	--	--	--
CLAY COUNTY										
6N 8W 8CB 3	75-02-25	5	--	--	--	--	40	--	--	--
7N 5W 2AA 1	75-02-25	5	--	--	--	--	40	--	--	--
8N 7W27DC 1	75-02-25	8	--	--	--	--	40	--	--	--
COLFAX COUNTY										
17N 3E29AA 2	75-02-27	20	<10	0	100	<10	50	0	0	0
CUMING COUNTY										
21N 5E23AD 1	74-10-10	2	--	--	--	--	80	--	--	--
22N 5E 3BDDB1	74-10-10	0	--	--	--	--	70	--	--	--
22N 6E33BA 1	74-10-10	2	--	--	--	--	100	--	--	--
23N 4E 8AC 1	74-10-10	3	--	--	--	--	50	--	--	--
DAWSON COUNTY										
9N 21W31BABB1	74-12-19	--	--	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
9N 21W32CBBC1	74-10-31	--	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
ADAMS COUNTY								
7N 9W11DC 1	75-02-25	9	--	--	--	--	--	--
8N 12W34BC 3	75-02-25	30	--	--	--	--	--	--
ANTELOPE COUNTY								
23N 7W 3AADD1	74-10-08	--	--	--	.0	--	--	--
24N 5W31BAAB1	74-10-08	--	--	--	.0	--	--	--
BUFFALO COUNTY								
8N 16W 2AC 1	74-10-30	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
8N 16W 2DC 1	74-10-30	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
9N 14W13DB 1	74-10-30	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
9N 14W18CCBC1	74-12-18	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
9N 15W13DBBA1	74-10-30	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
9N 15W31CBC 1	74-10-30	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
9N 15W31CD 1	75-04-30	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
9N 18W28ADC 1	74-10-30	--	--	--	--	--	--	--
	74-11-26	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
BURT COUNTY								
21N 8E28CCDB1	74-10-11	--	--	--	.0	--	--	--
23N 8E24BD 1	74-10-11	--	--	--	.0	--	--	--
CLAY COUNTY								
6N 8W 8CB 3	75-02-25	5	--	--	--	--	--	--
7N 5W 2AA 1	75-02-25	6	--	--	--	--	--	--
8N 7W27DC 1	75-02-25	10	--	--	--	--	--	--
COLFAX COUNTY								
17N 3E29AA 2	75-02-27	1	0	20	.1	2	2	2
CUMING COUNTY								
21N 5E23AD 1	74-10-10	--	--	--	.0	--	--	--
22N 5E 3BDDB1	74-10-10	--	--	--	.0	--	--	--
22N 6E33BA 1	74-10-10	--	--	--	.0	--	--	--
23N 4E 8AC 1	74-10-10	--	--	--	.0	--	--	--
DAWSON COUNTY								
9N 21W31BABB1	74-12-19	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
9N 21W32CBBC1	74-10-31	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
ADAMS COUNTY					
7N 9W11DC 1	75-02-25	--	--	--	10
8N 12W34BC 3	75-02-25	--	--	--	70
ANTELOPE COUNTY					
23N 7W 3AADD1	74-10-08	--	--	--	340
24N 5W31BAAB1	74-10-08	--	--	--	50
BUFFALO COUNTY					
8N 16W 2AC 1	74-10-30	--	--	--	--
	74-11-25	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-30	--	--	--	--
	75-08-11	--	--	--	--
8N 16W 2DC 1	74-10-30	--	--	--	--
	74-11-25	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-30	--	--	--	--
	75-08-11	--	--	--	--
9N 14W13DB 1	74-10-30	--	--	--	--
	74-11-25	--	--	--	--
	74-12-18	--	--	--	--
	75-01-30	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
9N 14W18CCBC1	74-12-18	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
9N 15W13DBBA1	74-10-30	--	--	--	--
	74-11-27	--	--	--	--
	74-12-18	--	--	--	--
	75-01-30	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
9N 15W31CBC 1	74-10-30	--	--	--	--
	74-11-25	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-30	--	--	--	--
	75-08-11	--	--	--	--
9N 15W31CD 1	75-04-30	--	--	--	--
	75-08-11	--	--	--	--
9N 18W28ADC 1	74-10-30	--	--	--	--
	74-11-26	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-29	--	--	--	--
	75-08-11	--	--	--	--
BURT COUNTY					
21N 8E28CCDB1	74-10-11	--	--	--	1800
23N 8E24BD 1	74-10-11	--	--	--	150
CLAY COUNTY					
6N 8W 8CB 3	75-02-25	--	--	--	7
7N 5W 2AA 1	75-02-25	--	--	--	10
8N 7W27DC 1	75-02-25	--	--	--	10
COLFAX COUNTY					
17N 3E29AA 2	75-02-27	0	340	1.6	7
CUMING COUNTY					
21N 5E23AD 1	74-10-10	--	--	--	50
22N 5E 3BDDB1	74-10-10	--	--	--	30
22N 6E33BA 1	74-10-10	--	--	--	380
23N 4E 8AC 1	74-10-10	--	--	--	120
DAWSON COUNTY					
9N 21W31BABB1	74-12-19	--	--	--	--
	75-04-29	--	--	--	--
	75-08-11	--	--	--	--
9N 21W32CBBC1	74-10-31	--	--	--	--

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
DAWSON COUNTY										
9N 21W32CBBC1	40 42 22	099 44 55	01	112SDGV	20	74-11-26	--	--	--	--
				112SDGV	20	74-12-19	--	--	--	--
				112SDGV	20	75-01-30	--	--	--	--
				112SDGV	20	75-04-29	--	--	--	--
				112SDGV	20	75-08-11	--	--	--	--
12N 25W32BBA 1	40 58 24	100 12 03	01	112SDGV	120	74-12-19	--	--	--	--
				112SDGV	120	75-04-29	--	--	--	--
				112SDGV	120	75-08-11	--	--	--	--
12N 25W32BBA 2	40 58 24	100 12 03	02	112SDGV	63	74-11-26	--	--	--	--
				112SDGV	63	74-12-19	--	--	--	--
				112SDGV	63	75-01-30	--	--	--	--
				112SDGV	63	75-04-29	--	--	--	--
DODGE COUNTY										
17N 9E14CA 1	41 26 29	096 22 42	01	110SDGV	24	74-10-16	17	70	1000	160
18N 7E32DABB3	41 29 15	096 38 22	01	300PLZC	1800	75-02-28	--	--	--	--
18N 7E32DABC2	41 29 13	096 38 22	01	300PLZC	1800	75-02-28	--	--	--	--
18N 7E32DBDA1	41 29 11	096 38 29	01	300PLZC	1800	75-02-21	8.6	1900	120	240
				300PLZC	1800	75-02-28	--	--	--	--
18N 9E30CB 1	41 29 58	096 27 35	01	110SDGV	37	74-10-16	38	80	30	41
19N 5E 1CB 1	41 38 44	096 48 25	01	112SDGV	70	74-10-11	31	20	10	57
19N 6E 1AC 1	41 38 57	096 40 53	01	112SDGV	86	74-10-11	15	2200	750	34
19N 7E 1AA 1	41 39 09	096 33 40	01	112SDGV	100	74-10-15	47	40	650	65
20N 7E 4BB 1	41 44 24	096 37 38	01	112SDGV	90	74-10-16	30	120	960	110
20N 8E20ABBD1	41 41 47	096 32 55	01	112SDGV	127	74-10-16	25	2700	1000	130
DOUGLAS COUNTY										
16N 10E 8AB 1	41 22 36	096 18 58	01	111ALVM	15	74-10-16	21	3900	870	85
FILLMORE COUNTY										
5N 4W12CACB1	40 24 57	097 43 24	01	112SDGV	129	75-02-26	28	10	20	53
7N 3W36DB 1	40 31 45	097 36 09	01	112SDGV	196	75-02-26	25	30	330	59
8N 1W20DB 2	40 38 43	097 27 06	02	112SDGV	306	75-02-26	--	--	--	--
				112SDGV	306	75-02-26	25	20	0	340
GREELEY COUNTY										
17N 11W31BA 1	41 24 25	098 37 46	01	112SDGV	100	75-08-07	55	20	0	100
17N 12W 4DBCD1	41 28 13	098 42 05	01	121OGLL	159	75-06-17	60	10	0	110
17N 12W 4DD 1	41 28 06	098 41 48	01	112SDGV	93	75-06-17	60	140	10	110
17N 12W26BBAA1	41 25 21	098 40 19	01	121OGLL	110	75-06-17	57	0	5	100
18N 10W29CBBB1	41 30 12	098 30 11	01	121OGLL	260	75-08-08	52	30	150	100
18N 12W19CA 1	41 30 55	098 44 41	01	112SDGV	264	75-08-07	--	0	0	89
HALL COUNTY										
11N 9W 8DA 2	40 56 08	098 21 37	02	112SDGV	101	74-11-01	--	--	--	--
				112SDGV	101	74-11-25	--	--	--	--
				112SDGV	101	74-12-18	--	--	--	--
				112SDGV	101	75-01-31	--	--	--	--
				112SDGV	101	75-05-01	--	--	--	--
				112SDGV	101	75-08-12	--	--	--	--
11N 9W29DAAA1	40 53 42	098 21 32	01	112SDGV	--	74-11-01	--	--	--	--
				112SDGV	--	74-11-25	--	--	--	--
				112SDGV	--	74-12-17	--	--	--	--
				112SDGV	--	75-01-31	--	--	--	--
				112SDGV	--	75-05-01	--	--	--	--
				112SDGV	--	75-08-12	--	--	--	--
11N 10W 1CCCC1	40 56 17	098 23 50	01	112SDGV	13	74-11-01	--	--	--	--
				112SDGV	13	74-11-28	--	--	--	--
				112SDGV	13	74-12-18	--	--	--	--
				112SDGV	13	75-01-29	--	--	--	--
				112SDGV	13	75-04-30	--	--	--	--
11N 10W 2DA 1	40 57 00	098 23 57	01	112SDGV	60	74-12-18	--	--	--	--
				112SDGV	60	75-04-30	--	--	--	--
				112SDGV	60	75-08-12	--	--	--	--
11N 10W14CDA 1	40 55 06	098 24 24	01	112SDGV	45	74-12-17	--	--	--	--
				112SDGV	45	75-04-30	--	--	--	--
				112SDGV	45	75-08-12	--	--	--	--
11N 10W14CDA 2	40 55 06	098 24 24	02	112SDGV	35	74-12-17	--	--	--	--
				112SDGV	35	75-04-30	--	--	--	--
				112SDGV	35	75-08-12	--	--	--	--
11N 10W14DCCB1	40 55 06	098 24 13	01	112SDGV	18	74-11-01	--	--	--	--
				112SDGV	18	74-11-28	--	--	--	--
				112SDGV	18	74-12-18	--	--	--	--
				112SDGV	18	75-01-29	--	--	--	--
				112SDGV	18	75-04-30	--	--	--	--
11N 10W14DCCB2	40 55 06	098 24 23	02	112SDGV	75	74-12-17	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRATE (N) (MG/L) (00620)
DAWSON COUNTY										
9N 21W32CBBC1	74-11-26	--	--	--	--	--	--	31	--	.19
	74-12-19	--	--	--	--	--	--	31	--	.78
	75-01-30	--	--	--	--	--	--	29	--	1.7
	75-04-29	--	--	--	--	--	--	29	--	2.8
	75-08-11	--	--	--	--	--	--	30	--	.07
12N 25W32BBA 1	74-12-19	--	--	--	--	--	--	4.0	--	.91
	75-04-29	--	--	--	--	--	--	3.9	--	.01
	75-08-11	--	--	--	--	--	--	3.4	--	.01
12N 25W32BBA 2	74-11-26	--	--	--	--	--	--	3.3	--	.00
	74-12-19	--	--	--	--	--	--	2.8	--	.07
	75-01-30	--	--	--	--	--	--	2.8	--	.13
	75-04-29	--	--	--	--	--	--	2.7	--	.05
DODGE COUNTY										
17N 9E14CA 1	74-10-16	29	28	6.3	423	0	110	44	.4	--
18N 7E32DABB3	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DABC2	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DBDA1	75-02-21	49	340	30	212	0	980	220	1.9	--
	75-02-28	--	--	--	--	--	--	--	--	--
18N 9E30CB 1	74-10-16	14	16	5.8	177	0	23	3.4	.3	--
19N 5E 1CB 1	74-10-11	39	46	6.8	190	0	62	34	.3	--
19N 6E 1AC 1	74-10-11	11	7.8	4.9	172	0	.8	4.5	.2	--
19N 7E 1AA 1	74-10-15	15	16	9.4	284	0	35	2.7	.5	--
20N 7E 4BB 1	74-10-16	28	27	3.4	493	0	46	2.8	.3	--
20N 8E20ABBD1	74-10-16	26	50	12	528	0	89	7.2	.8	--
DOUGLAS COUNTY										
16N 10E 8AB 1	74-10-16	14	16	3.5	282	0	67	4.0	.4	--
FILLMORE COUNTY										
5N 4W12CACB1	75-02-26	7.9	23	6.7	193	0	34	14	.4	--
7N 3W36DB 1	75-02-26	11	24	4.3	220	0	45	14	.3	--
8N 1W20DB 2	75-02-26	--	--	--	--	--	--	--	--	--
	75-02-26	55	110	8.0	429	0	780	67	.3	--
GREELEY COUNTY										
17N 11W31BA 1	75-08-07	16	11	9.2	371	0	18	4.4	.2	--
17N 12W 4DBCD1	75-06-17	14	13	9.1	368	0	39	4.1	.1	--
17N 12W 4DD 1	75-06-17	14	22	8.7	403	0	42	4.2	.2	--
17N 12W26BBAA1	75-06-17	14	16	9.9	408	0	21	3.2	.2	--
18N 10W29CBBB1	75-08-08	15	16	6.6	360	0	44	4.0	.2	--
18N 12W19CA 1	75-08-07	13	13	7.8	324	0	28	3.0	.1	--
HALL COUNTY										
11N 9W 8DA 2	74-11-01	--	--	--	--	--	--	7.7	--	7.5
	74-11-25	--	--	--	--	--	--	7.4	--	7.7
	74-12-18	--	--	--	--	--	--	8.0	--	7.4
	75-01-31	--	--	--	--	--	--	8.9	--	8.6
	75-05-01	--	--	--	--	--	--	8.2	--	8.7
	75-08-12	--	--	--	--	--	--	9.1	--	6.8
11N 9W29DAAA1	74-11-01	--	--	--	--	--	--	9.3	--	3.9
	74-11-25	--	--	--	--	--	--	9.1	--	4.3
	74-12-17	--	--	--	--	--	--	9.9	--	4.1
	75-01-31	--	--	--	--	--	--	10	--	4.5
	75-05-01	--	--	--	--	--	--	9.9	--	4.2
	75-08-12	--	--	--	--	--	--	10	--	4.4
11N 10W 1CCCC1	74-11-01	--	--	--	--	--	--	150	--	4.1
	74-11-28	--	--	--	--	--	--	110	--	5.2
	74-12-18	--	--	--	--	--	--	44	--	8.5
	75-01-29	--	--	--	--	--	--	26	--	9.3
	75-04-30	--	--	--	--	--	--	37	--	13
11N 10W 2DA 1	74-12-18	--	--	--	--	--	--	9.3	--	10
	75-04-30	--	--	--	--	--	--	11	--	13
	75-08-12	--	--	--	--	--	--	12	--	13
11N 10W14CDA 1	74-12-17	--	--	--	--	--	--	5.6	--	7.9
	75-04-30	--	--	--	--	--	--	5.2	--	9.5
	75-08-12	--	--	--	--	--	--	6.9	--	10
11N 10W14CDA 2	74-12-17	--	--	--	--	--	--	8.5	--	12
	75-04-30	--	--	--	--	--	--	7.8	--	12
	75-08-12	--	--	--	--	--	--	11	--	16
11N 10W14DCCB1	74-11-01	--	--	--	--	--	--	21	--	2.5
	74-11-28	--	--	--	--	--	--	15	--	1.9
	74-12-18	--	--	--	--	--	--	18	--	1.5
	75-01-29	--	--	--	--	--	--	16	--	1.8
	75-04-30	--	--	--	--	--	--	9.5	--	1.4
11N 10W14DCCB2	74-12-17	--	--	--	--	--	--	8.8	--	12

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
DAWSON COUNTY										
9N 21W32CBBC1	74-11-26	--	.01	--	.20	--	.14	--	--	--
	74-12-19	--	.01	--	.79	--	.22	--	--	--
	75-01-30	--	.01	--	1.7	--	.21	--	--	--
	75-04-29	--	.00	--	2.8	--	.06	2.3	2.4	5.2
	75-08-11	--	.01	--	.08	--	.01	8.1	8.1	8.2
12N 25W32BBA 1	74-12-19	--	.00	--	.91	--	.08	--	--	--
	75-04-29	--	.00	--	.01	--	.06	.08	.14	.15
	75-08-11	--	.00	--	.01	--	.00	.30	.30	.31
12N 25W32BBA 2	74-11-26	--	.07	--	.06	--	.20	--	--	--
	74-12-19	--	.01	--	.08	--	.18	--	--	--
	75-01-30	--	.02	--	.15	--	.08	--	--	--
	75-04-29	--	.00	--	.05	--	.54	2.6	3.1	3.1
DODGE COUNTY										
17N 9E14CA 1	74-10-16	--	--	--	--	15	--	--	--	--
18N 7E32DABB3	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DABC2	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DBDA1	75-02-21	--	--	--	--	.09	--	--	--	--
	75-02-28	--	--	--	--	--	--	--	--	--
18N 9E30CB 1	74-10-16	--	--	--	--	6.0	--	--	--	--
19N 5E 1CB 1	74-10-11	--	--	--	--	39	--	--	--	--
19N 6E 1AC 1	74-10-11	--	--	--	--	.19	--	--	--	--
19N 7E 1AA 1	74-10-15	--	--	--	--	.68	--	--	--	--
20N 7E 4BB 1	74-10-16	--	--	--	--	.01	--	--	--	--
20N 8E20ABBD1	74-10-16	--	--	--	--	1.4	--	--	--	--
DOUGLAS COUNTY										
16N 10E 8AB 1	74-10-16	--	--	--	--	.29	--	--	--	--
FILLMORE COUNTY										
5N 4W12CACB1	75-02-26	--	--	--	--	2.4	--	--	--	--
7N 3W36DB 1	75-02-26	--	--	--	--	1.1	--	--	--	--
8N 1W20DB 2	75-02-26	--	--	--	--	--	--	--	--	--
	75-02-26	--	--	--	--	29	--	--	--	--
GREELEY COUNTY										
17N 11W31BA 1	75-08-07	--	--	--	--	3.3	--	--	--	--
17N 12W 4DBCD1	75-06-17	--	--	--	--	2.2	--	--	--	--
17N 12W 4DD 1	75-06-17	--	--	--	--	1.2	--	--	--	--
17N 12W26BBAA1	75-06-17	--	--	--	--	2.2	--	--	--	--
18N 10W29CBBB1	75-08-08	--	--	--	--	4.8	--	--	--	--
18N 12W19CA 1	75-08-07	--	--	--	--	1.0	--	--	--	--
HALL COUNTY										
11N 9W 8DA 2	74-11-01	--	.00	--	7.5	--	.01	--	--	--
	74-11-25	--	.01	--	7.7	--	.02	--	--	--
	74-12-18	--	.00	--	7.4	--	.09	--	--	--
	75-01-31	--	.00	--	8.6	--	.01	--	--	--
	75-05-01	--	.00	--	8.7	--	.00	.01	.01	8.7
	75-08-12	--	.01	--	6.8	--	.00	.12	.12	6.9
11N 9W29DAAA1	74-11-01	--	.00	--	3.9	--	.01	--	--	--
	74-11-25	--	.00	--	4.3	--	.03	--	--	--
	74-12-17	--	.00	--	4.1	--	.07	--	--	--
	75-01-31	--	.00	--	4.5	--	.00	--	--	--
	75-05-01	--	.00	--	4.2	--	.01	.20	.21	4.4
	75-08-12	--	.01	--	4.4	--	.00	.21	.21	4.6
11N 10W 1CCCC1	74-11-01	--	.01	--	4.1	--	.23	--	--	--
	74-11-28	--	.03	--	5.2	--	.10	--	--	--
	74-12-18	--	.01	--	8.5	--	.11	--	--	--
	75-01-29	--	.00	--	9.3	--	.00	--	--	--
	75-04-30	--	.00	--	13	--	.04	2.4	2.4	15
11N 10W 2DA 1	74-12-18	--	.00	--	10	--	.04	--	--	--
	75-04-30	--	.00	--	13	--	.00	.01	.01	13
	75-08-12	--	.01	--	13	--	.00	.04	.04	13
11N 10W14CDA 1	74-12-17	--	.00	--	7.9	--	.05	--	--	--
	75-04-30	--	.00	--	9.5	--	.00	.01	.01	9.5
	75-08-12	--	.01	--	10	--	.00	.18	.18	10
11N 10W14CDA 2	74-12	--	.00	--	12	--	.07	--	--	--
	75-04	--	.00	--	12	--	.00	.01	.01	12
	75-08-12	--	.01	--	16	--	.00	.01	.01	16
11N 10W14DCCB1	74-11-01	--	.01	--	2.5	--	.27	--	--	--
	74-11-28	--	.00	--	1.9	--	.09	--	--	--
	74-12-18	--	.01	--	1.5	--	.15	--	--	--
	75-01-29	--	.01	--	1.8	--	.01	--	--	--
	75-04-30	--	.00	--	1.4	--	.03	6.8	6.8	8.2
11N 10W14DCCB2	74-12-17	--	.00	--	12	--	.06	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA+MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)
DAWSON COUNTY										
9N 21w32CBBC1	74-11-26	--	--	--	--	--	--	--	1420	--
	74-12-19	--	--	--	--	--	--	--	1410	--
	75-01-30	--	--	--	--	--	--	--	1430	--
	75-04-29	--	--	--	--	--	--	--	1300	--
	75-08-11	--	--	--	--	--	--	--	1620	6.9
12N 25w32BBA 1	74-12-19	--	--	--	--	--	--	--	432	--
	75-04-29	--	--	--	--	--	--	--	426	--
	75-08-11	--	--	--	--	--	--	--	430	7.3
12N 25w32BBA 2	74-11-26	--	--	--	--	--	--	--	307	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	372	--
	75-04-29	--	--	--	--	--	--	--	575	--
DODGE COUNTY										
17N 9E14CA 1	74-10-16	--	.07	--	671	520	170	.5	1080	7.2
18N 7E32DABB3	75-02-28	--	--	--	--	--	--	--	2780	7.3
18N 7E32DABC2	75-02-28	--	--	--	--	--	--	--	2740	7.3
18N 7E32DBDA1	75-02-21	--	.00	--	1980	800	630	5.2	2780	7.4
	75-02-28	--	--	--	--	--	--	--	2780	7.4
18N 9E30CB 1	74-10-16	--	.52	--	256	160	15	.6	386	7.4
19N 5E 1CB 1	74-10-11	--	.14	--	543	300	150	1.2	1280	7.1
19N 6E 1AC 1	74-10-11	--	.02	--	167	130	0	.3	282	7.4
19N 7E 1AA 1	74-10-15	--	.20	--	334	220	0	.5	518	7.4
20N 7E 4BB 1	74-10-16	--	.03	--	492	390	0	.6	813	7.2
20N 8E20ABBD1	74-10-16	--	.06	--	610	430	0	1.0	956	7.3
DOUGLAS COUNTY										
16N 10E 8AB 1	74-10-16	--	.01	--	356	270	39	.4	564	7.5
FILLMORE COUNTY										
5N 4w12CACB1	75-02-26	--	.30	--	273	160	7	.8	430	6.9
7N 3w36DB 1	75-02-26	--	.23	--	296	190	12	.8	489	7.0
8N 1w20DB 2	75-02-26	--	--	--	--	--	--	--	2430	--
	75-02-26	--	.12	--	1730	1100	720	1.5	2428	6.8
GREELEY COUNTY										
17N 11w31BA 1	75-08-07	--	.14	--	411	320	11	.3	621	6.9
17N 12w 4DBCD1	75-06-17	--	.07	--	441	330	30	.3	651	7.0
17N 12w 4DD 1	75-06-17	--	.04	--	465	330	2	.5	697	7.0
17N 12w26BBAA1	75-06-17	--	.07	--	432	319	0	.4	675	7.0
18N 10w29CBBB1	75-08-08	--	.07	--	437	310	16	.4	639	6.8
18N 12w19CA 1	75-08-07	--	.02	--	--	280	10	.3	477	7.0
HALL COUNTY										
11N 9w 8DA 2	74-11-01	--	--	--	--	--	--	--	390	--
	74-11-25	--	--	--	--	--	--	--	385	--
	74-12-18	--	--	--	--	--	--	--	389	--
	75-01-31	--	--	--	--	--	--	--	390	--
	75-05-01	--	--	--	--	--	--	--	383	--
	75-08-12	--	--	--	--	--	--	--	393	7.0
11N 9w29DAAA1	74-11-01	--	--	--	--	--	--	--	718	--
	74-11-25	--	--	--	--	--	--	--	726	--
	74-12-17	--	--	--	--	--	--	--	728	--
	75-01-31	--	--	--	--	--	--	--	714	--
	75-05-01	--	--	--	--	--	--	--	688	--
	75-08-12	--	--	--	--	--	--	--	696	6.9
11N 10w 1CCCC1	74-11-01	--	--	--	--	--	--	--	1050	--
	74-11-28	--	--	--	--	--	--	--	930	--
	74-12-18	--	--	--	--	--	--	--	656	--
	75-01-29	--	--	--	--	--	--	--	543	--
	75-04-30	--	--	--	--	--	--	--	669	--
11N 10w 2DA 1	74-12-18	--	--	--	--	--	--	--	324	--
	75-04-30	--	--	--	--	--	--	--	336	--
	75-08-12	--	--	--	--	--	--	--	342	7.1
11N 10w14CDA 1	74-12-17	--	--	--	--	--	--	--	421	--
	75-04-30	--	--	--	--	--	--	--	418	--
	75-08-12	--	--	--	--	--	--	--	415	7.1
11N 10w14CDA 2	74-12-17	--	--	--	--	--	--	--	444	--
	75-04-30	--	--	--	--	--	--	--	440	--
	75-08-12	--	--	--	--	--	--	--	460	7.1
11N 10w14DCCB1	74-11-01	--	--	--	--	--	--	--	318	--
	74-11-28	--	--	--	--	--	--	--	308	--
	74-12-18	--	--	--	--	--	--	--	323	--
	75-01-29	--	--	--	--	--	--	--	266	--
	75-04-30	--	--	--	--	--	--	--	234	--
11N 10w14DCCB2	74-12-17	--	--	--	--	--	--	--	477	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
DAWSON COUNTY										
9N 21w32CBBC1	74-11-26	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
12N 25w32BBA 1	74-12-19	--	--	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--	--	--
12N 25w32BBA 2	74-11-26	--	--	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--	--	--
DODGE COUNTY										
17N 9E14CA 1	74-10-16	0	--	--	--	--	130	--	--	--
18N 7E32DABB3	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DABC2	75-02-28	--	--	--	--	--	--	--	--	--
18N 7E32DBDA1	75-02-21	5	--	--	--	--	840	--	--	--
	75-02-28	--	--	--	--	--	--	--	--	--
18N 9E30CB 1	74-10-16	0	--	--	--	--	60	--	--	--
19N 5E 1CB 1	74-10-11	0	--	--	--	--	80	--	--	--
19N 6E 1AC 1	74-10-11	3	--	--	--	--	20	--	--	--
19N 7E 1AA 1	74-10-15	3	--	--	--	--	90	--	--	--
20N 7E 4BB 1	74-10-16	0	--	--	--	--	120	--	--	--
20N 8E20ABBD1	74-10-16	3	--	--	--	--	210	--	--	--
DOUGLAS COUNTY										
16N 10E 8AB 1	74-10-16	2	--	--	--	--	20	--	--	--
FILLMORE COUNTY										
5N 4w12CACB1	75-02-26	3	--	--	--	--	50	--	--	--
7N 3w36DB 1	75-02-26	3	--	--	--	--	50	--	--	--
8N 1w20DB 2	75-02-26	--	--	--	--	--	--	--	--	--
	75-02-26	3	--	--	--	--	200	--	--	--
GREELEY COUNTY										
17N 11w31BA 1	75-08-07	1	--	--	--	--	30	--	--	--
17N 12w 4DBCD1	75-06-17	1	--	--	--	--	40	--	--	--
17N 12w 4DD 1	75-06-17	4	--	--	--	--	80	--	--	--
17N 12w26BBAA1	75-06-17	0	--	--	--	--	80	--	--	--
18N 10w29CBBB1	75-08-08	10	--	--	--	--	80	--	--	--
18N 12w19CA 1	75-08-07	2	--	--	--	--	40	--	--	--
HALL COUNTY										
11N 9w 8DA 2	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-31	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 9w29DAAA1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--	--	--
	75-01-31	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 10w 1CCCC1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
11N 10w 2DA 1	74-12-18	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 10w14CDA 1	74-12-17	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 10w14CDA 2	74-12-17	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 10w14DCCB1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
11N 10w14DCCB2	74-12-17	--	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
DAWSON COUNTY								
9N 21W32CBBC1	74-11-26	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
12N 25W32BBA 1	74-12-19	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--
	75-08-11	--	--	--	--	--	--	--
12N 25W32BBA 2	74-11-26	--	--	--	--	--	--	--
	74-12-19	--	--	--	--	--	--	--
	75-01-30	--	--	--	--	--	--	--
	75-04-29	--	--	--	--	--	--	--
DODGE COUNTY								
17N 9E14CA 1	74-10-16	--	--	--	.1	--	--	--
18N 7E32DABB3	75-02-28	--	--	--	--	--	--	--
18N 7E32DABC2	75-02-28	--	--	--	--	--	--	--
18N 7E32DBDA1	75-02-21	--	--	--	--	--	--	--
	75-02-28	--	--	--	--	--	--	--
18N 9E30CB 1	74-10-16	--	--	--	.0	--	--	--
19N 5E 1CB 1	74-10-11	--	--	--	.0	--	--	--
19N 6E 1AC 1	74-10-11	--	--	--	.0	--	--	--
19N 7E 1AA 1	74-10-15	--	--	--	.0	--	--	--
20N 7E 4BB 1	74-10-16	--	--	--	.0	--	--	--
20N 8E20ABBD1	74-10-16	--	--	--	.0	--	--	--
DOUGLAS COUNTY								
16N 10E 8AB 1	74-10-16	--	--	--	.0	--	--	--
FILLMORE COUNTY								
5N 4W12CACB1	75-02-26	8	--	--	--	--	--	--
7N 3W36DB 1	75-02-26	9	--	--	--	--	--	--
8N 1W20DB 2	75-02-26	--	--	--	--	--	--	--
	75-02-26	9	--	--	--	--	--	--
GREELEY COUNTY								
17N 11W31BA 1	75-08-07	4	--	--	--	--	--	--
17N 12W 4DBCD1	75-06-17	9	--	--	--	--	--	--
17N 12W 4DD 1	75-06-17	2	--	--	--	--	--	--
17N 12W26BBAA1	75-06-17	8	--	--	--	--	--	--
18N 10W29CBBB1	75-08-08	0	--	--	--	--	--	--
18N 12W19CA 1	75-08-07	1	--	--	--	--	--	--
HALL COUNTY								
11N 9W 8DA 2	74-11-01	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-31	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 9W29DAAA1	74-11-01	--	--	--	--	--	--	--
	74-11-25	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--
	75-01-31	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 10W 1CCCC1	74-11-01	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
11N 10W 2DA 1	74-12-18	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 10W14CDA 1	74-12-17	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 10W14CDA 2	74-12-17	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 10W14DCCB1	74-11-01	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
11N 10W14DCCB2	74-12-17	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
DAWSON COUNTY					
9N 21W32CBBC1	74-11-26	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-29	--	--	--	--
	75-08-11	--	--	--	--
12N 25W32BBA 1	74-12-19	--	--	--	--
	75-04-29	--	--	--	--
	75-08-11	--	--	--	--
12N 25W32BBA 2	74-11-26	--	--	--	--
	74-12-19	--	--	--	--
	75-01-30	--	--	--	--
	75-04-29	--	--	--	--
DODGE COUNTY					
17N 9E14CA 1	74-10-16	--	--	--	470
18N 7E32DABB3	75-02-28	--	--	--	--
18N 7E32DABC2	75-02-28	--	--	--	--
18N 7E32DBDA1	75-02-21	--	--	--	--
	75-02-28	--	--	--	--
18N 9E30CB 1	74-10-16	--	--	--	40
19N 5E 1CB 1	74-10-11	--	--	--	130
19N 6E 1AC 1	74-10-11	--	--	--	50
19N 7E 1AA 1	74-10-15	--	--	--	30
20N 7E 4BB 1	74-10-16	--	--	--	30
20N 8E20ABBD1	74-10-16	--	--	--	30
DOUGLAS COUNTY					
16N 10E 8AB 1	74-10-16	--	--	--	30
FILLMORE COUNTY					
5N 4W12CACB1	75-02-26	--	--	--	10
7N 3W36DB 1	75-02-26	--	--	--	10
8N 1W20DB 2	75-02-26	--	--	--	--
	75-02-26	--	--	--	40
GREELEY COUNTY					
17N 11W31BA 1	75-08-07	--	--	--	0
17N 12W 4DBCD1	75-06-17	--	--	--	0
17N 12W 4DD 1	75-06-17	--	--	--	20
17N 12W26BBAA1	75-06-17	--	--	--	80
18N 10W29CBBB1	75-08-08	--	--	--	20
18N 12W19CA 1	75-08-07	--	--	--	0
HALL COUNTY					
11N 9W 8DA 2	74-11-01	--	--	--	--
	74-11-25	--	--	--	--
	74-12-18	--	--	--	--
	75-01-31	--	--	--	--
	75-05-01	--	--	--	--
	75-08-12	--	--	--	--
11N 9W29DAAA1	74-11-01	--	--	--	--
	74-11-25	--	--	--	--
	74-12-17	--	--	--	--
	75-01-31	--	--	--	--
	75-05-01	--	--	--	--
	75-08-12	--	--	--	--
11N 10W 1CCCC1	74-11-01	--	--	--	--
	74-11-28	--	--	--	--
	74-12-18	--	--	--	--
	75-01-29	--	--	--	--
	75-04-30	--	--	--	--
11N 10W 2DA 1	74-12-18	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 10W14CDA 1	74-12-17	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 10W14CDA 2	74-12-17	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 10W14DCCB1	74-11-01	--	--	--	--
	74-11-28	--	--	--	--
	74-12-18	--	--	--	--
	75-01-29	--	--	--	--
	75-04-30	--	--	--	--
11N 10W14DCCB2	74-12-17	--	--	--	--

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
HALL COUNTY										
11N 10W14DCCB2	40 55 06	098 24 23	02	112SDGV	75	75-04-30	--	--	--	--
				112SDGV	75	75-08-12	--	--	--	--
11N 10W14DCCB3	40 55 06	098 24 23	03	112SDGV	90	74-12-17	--	--	--	--
				112SDGV	90	75-04-30	--	--	--	--
				112SDGV	90	75-08-12	--	--	--	--
11N 11W35AAAA1	40 53 17	098 30 43	01	112SDGV	24	74-11-01	--	--	--	--
				112SDGV	24	74-11-27	--	--	--	--
				112SDGV	24	74-12-18	--	--	--	--
				112SDGV	24	75-01-29	--	--	--	--
				112SDGV	24	75-04-30	--	--	--	--
				112SDGV	24	75-08-12	--	--	--	--
11N 11W36CBB 1	40 52 48	098 30 38	01	112SDGV	52	74-12-18	--	--	--	--
				112SDGV	52	75-04-30	--	--	--	--
				112SDGV	52	75-08-12	--	--	--	--
11N 12W12DDD 2	40 55 57	098 36 28	02	112SDGV	33	74-10-31	--	--	--	--
				112SDGV	33	74-11-27	--	--	--	--
				112SDGV	33	74-12-18	--	--	--	--
				112SDGV	33	75-01-29	--	--	--	--
				112SDGV	33	75-04-30	--	--	--	--
				112SDGV	33	75-08-12	--	--	--	--
11N 12W13AAAA1	40 55 52	098 36 30	01	112SDGV	55	74-12-18	--	--	--	--
				112SDGV	55	75-04-30	--	--	--	--
				112SDGV	55	75-08-12	--	--	--	--
HAMILTON COUNTY										
9N 7W 6DAD 2	40 46 33	098 09 12	02	112SDGV	190	75-02-25	28	40	770	83
10N 6W 4CB 1	40 51 47	098 00 45	01	112SDGV	248	75-02-25	24	10	0	58
HOLT COUNTY										
28N 9W 4CDCC1	42 25 24	098 22 21	01	112SDGV	119	75-05-07	44	10	0	32
29N 10W28DA 1	42 27 23	098 29 01	01	112SDGV	45	75-05-07	26	20	10	14
29N 11W 8DC 1	42 29 44	098 37 18	01	112SDGV	70	75-05-10	20	210	10	54
29N 12W 3DD 2	42 30 36	098 42 02	02	112SDGV	102	75-05-08	28	0	0	43
29N 12W11DD 1	42 29 44	098 40 51	01	112SDGV	--	75-05-10	22	10	5	67
29N 12W14DA 1	42 29 04	098 40 51	01	110WDBS	45	75-05-10	22	10	0	37
30N 10W24DD 2	42 33 16	098 25 30	02	112SDGV	32	75-05-07	23	10	5	20
30N 11W16CAAA1	42 34 11	098 36 52	01	121OGLL	--	75-05-09	52	10	0	28
30N 12W23BA 1	42 33 52	098 41 26	01	112SDGV	85	75-05-08	33	10	0	30
30N 13W13CD 1	42 34 04	098 47 14	01	110QRNR	80	75-05-08	56	10	0	39
30N 14W23AA 2	42 33 52	098 54 54	02	112SDGV	68	75-05-08	34	310	20	30
30N 14W23AA 3	42 33 52	098 54 54	03	112SDGV	50	75-05-08	40	40	0	25
31N 10W20AA 1	42 39 09	098 30 11	01	110WDBS	52	75-05-09	47	10	0	34
31N 11W11AC 1	42 40 38	098 33 49	01	110WDBS	60	75-05-09	15	10	20	120
31N 12W31BA 1	42 37 22	098 46 05	01	110WDBS	85	75-05-09	56	10	0	45
31N 12W35AB 1	42 37 22	098 41 08	01	110WDBS	36	75-05-09	41	10	0	37
HOWARD COUNTY										
14N 11W22DD 1	41 09 51	098 33 18	01	121OGLL	260	75-06-27	59	1300	250	91
15N 9W 9BDCB1	41 17 11	098 21 32	01	121OGLL	165	75-06-16	57	10	0	91
15N 10W16DAAA1	41 16 16	098 27 33	01	121OGLL	110	75-06-17	60	0	0	92
15N 11W10CBA 1	41 17 05	098 34 17	01	121OGLL	150	75-06-17	58	10	0	95
16N 11W 6CDDD1	41 22 49	098 37 13	01	110SDGV	80	75-06-17	60	20	5	110
16N 11W18BC 1	41 21 36	098 37 35	01	112SDGV	--	75-08-07	56	0	0	98
16N 11W30DADA1	41 19 35	098 36 48	01	121OGLL	120	75-06-17	56	0	0	100
16N 11W34ACAD1	41 19 05	098 33 34	01	110SDGV	40	75-06-17	55	0	0	110
KEARNEY COUNTY										
6N 15W34DC 1	40 26 25	098 59 45	01	112SDGV	210	75-07-28	35	90	20	120
KEYA PAHA COUNTY										
33N 21W 7AD 2	42 50 50	099 49 41	02	121OGLL	100	75-05-08	50	500	20	7.8
33N 21W 8DA 2	42 50 37	099 48 30	02	121OGLL	180	75-05-08	64	10	0	30
33N 21W10DC 1	42 50 24	099 46 27	01	121OGLL	90	75-05-08	58	30	5	34
KNOX COUNTY										
29N 8W32AAA 1	42 27 02	098 16 03	01	121OGLL	--	75-05-04	57	10	0	66
LANCASTER COUNTY										
9N 6E33BCCC1	40 42 18	096 45 27	01	211DKOT	208	74-10-04	31	0	470	110
9N 7E21ABAA1	40 45 20	096 44 26	01	211DKOT	180	74-10-04	19	0	30	120
10N 6E36CDD 1	40 47 06	096 41 30	01	211DKOT	170	75-06-25	35	40	0	53
MADISON COUNTY										
21N 2W34AA 1	41 45 18	097 31 34	01	112SDGV	108	74-10-09	35	1800	150	100

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRATE (N) (MG/L) (00620)
HALL COUNTY										
11N 10W14DCCA2	75-04-30	--	--	--	--	--	--	8.0	--	12
	75-08-12	--	--	--	--	--	--	9.5	--	13
11N 10W14DCCA3	74-12-17	--	--	--	--	--	--	5.6	--	9.7
	75-04-30	--	--	--	--	--	--	6.1	--	9.6
	75-08-12	--	--	--	--	--	--	6.7	--	10
11N 11W35AAAA1	74-11-01	--	--	--	--	--	--	8.4	--	23
	74-11-27	--	--	--	--	--	--	7.5	--	20
	74-12-18	--	--	--	--	--	--	10	--	18
	75-01-29	--	--	--	--	--	--	7.8	--	.00
	75-04-30	--	--	--	--	--	--	9.0	--	17
	75-08-12	--	--	--	--	--	--	10	--	20
11N 11W36CBB 1	74-12-18	--	--	--	--	--	--	11	--	14
	75-04-30	--	--	--	--	--	--	11	--	15
	75-08-12	--	--	--	--	--	--	12	--	15
11N 12W12DDD 2	74-10-31	--	--	--	--	--	--	36	--	.35
	74-11-27	--	--	--	--	--	--	45	--	.52
	74-12-18	--	--	--	--	--	--	44	--	.33
	75-01-29	--	--	--	--	--	--	66	--	.34
	75-04-30	--	--	--	--	--	--	63	--	1.1
	75-08-12	--	--	--	--	--	--	46	--	.96
11N 12W13AAAA1	74-12-18	--	--	--	--	--	--	43	--	5.0
	75-04-30	--	--	--	--	--	--	42	--	5.3
	75-08-12	--	--	--	--	--	--	27	--	4.4
HAMILTON COUNTY										
9N 7W 6DAD 2	75-02-25	15	27	5.6	233	0	110	14	.3	--
10N 6W 4CB 1	75-02-25	9.9	22	5.3	213	0	41	9.9	.4	--
HOLT COUNTY										
28N 9W 4CDCC1	75-05-07	4.8	9.1	3.6	116	0	7.9	4.0	.1	--
29N 10W28DA 1	75-05-07	2.4	7.1	2.8	28	0	7.6	5.1	.0	--
29N 11W 8DC 1	75-05-10	13	9.7	5.4	59	0	20	29	.1	--
29N 12W 30D 2	75-05-08	9.3	11	4.8	60	0	24	15	.1	--
29N 12W11DD 1	75-05-10	15	18	6.0	122	0	21	17	.0	--
29N 12W14DA 1	75-05-10	5.3	8.9	5.5	77	0	26	9.2	.0	--
30N 10W24DD 2	75-05-07	2.9	7.2	4.2	33	0	10	11	.0	--
30N 11W16CAAA1	75-05-09	3.6	8.1	4.6	96	0	7.0	1.1	.2	--
30N 12W23BA 1	75-05-08	4.1	7.8	4.1	80	0	10	14	.1	--
30N 13W13CD 1	75-05-08	4.0	7.1	4.8	117	0	6.6	3.4	.2	--
30N 14W23AA 2	75-05-08	4.0	9.1	4.6	77	0	12	2.6	.2	--
30N 14W23AA 3	75-05-08	3.7	9.4	5.3	89	0	12	3.8	.2	--
31N 10W20AA 1	75-05-09	2.7	5.0	4.3	79	0	8.2	3.4	.1	--
31N 11W11AC 1	75-05-09	21	30	11	333	0	150	22	.4	--
31N 12W31BA 1	75-05-09	6.2	7.4	6.2	184	0	3.0	2.8	.2	--
31N 12W35AB 1	75-05-09	3.5	5.0	3.6	108	0	11	4.1	.1	--
HOWARD COUNTY										
14N 11W22DD 1	75-06-27	19	17	8.7	271	--	22	5.1	.3	--
15N 9W 9BDCB1	75-06-16	11	10	7.2	326	0	8.5	3.5	.2	--
15N 10W16DAAA1	75-06-17	11	8.8	5.8	330	0	11	5.1	.2	--
15N 11W10CBA 1	75-06-17	13	12	7.4	334	0	28	4.5	.2	--
16N 11W 6CDDD1	75-06-17	13	9.6	6.2	361	0	25	5.7	.2	--
16N 11W18BC 1	75-08-07	10	11	6.8	348	0	14	4.5	.2	--
16N 11W30DADA1	75-06-17	12	13	6.6	345	0	17	5.2	.2	--
16N 11W34ACAD1	75-06-17	15	21	9.5	418	0	35	3.1	.2	--
KEARNEY COUNTY										
6N 15W34DC 1	75-07-28	13	25	20	344	0	110	11	.3	--
KEYA PAHA COUNTY										
33N 21W 7AD 2	75-05-08	.8	4.6	3.0	39	0	5.8	.3	.2	--
33N 21W 8DA 2	75-05-08	2.9	3.1	4.9	121	0	1.5	2.8	.1	--
33N 21W10DC 1	75-05-08	4.3	6.1	8.4	137	0	3.8	.6	.3	--
KNOX COUNTY										
29N 8W32AAA 1	75-05-04	7.2	18	5.9	255	0	7.5	5.0	.2	--
LANCASTER COUNTY										
9N 6E33BCCC1	74-10-04	31	50	7.9	362	0	280	20	.2	--
9N 7E21ABAA1	74-10-04	39	40	6.3	318	0	290	13	.2	--
10N 6E36CDD 1	75-06-25	13	44	5.0	245	0	52	13	.3	--
MADISON COUNTY										
21N 2W34AA 1	74-10-09	23	23	8.2	383	0	73	3.2	.4	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
HALL COUNTY										
11N 10W14DCCB2	75-04-30	--	.00	--	12	--	.01	.00	.01	12
	75-08-12	--	.01	--	13	--	.00	.01	.01	13
11N 10W14DCCB3	74-12-17	--	.01	--	9.7	--	.04	--	--	--
	75-04-30	--	.00	--	9.6	--	.00	.22	.22	9.8
	75-08-12	--	.01	--	10	--	.00	.04	.04	10
11N 11W35AAAA1	74-11-01	--	.28	--	23	--	1.3	--	--	--
	74-11-27	--	.31	--	20	--	.97	--	--	--
	74-12-18	--	.35	--	18	--	.72	--	--	--
	75-01-29	--	.00	--	.00	--	1.2	--	--	--
	75-04-30	--	.02	--	17	--	.14	1.5	1.6	19
	75-08-12	--	.02	--	20	--	.13	3.5	3.6	24
11N 11W36CBB 1	74-12-18	--	.00	--	14	--	.06	--	--	--
	75-04-30	--	.00	--	15	--	.00	.19	.19	15
	75-08-12	--	.01	--	15	--	.00	.27	.27	15
11N 12W12DDD 2	74-10-31	--	.05	--	.40	--	.54	--	--	--
	74-11-27	--	.06	--	.58	--	.61	--	--	--
	74-12-18	--	.05	--	.38	--	.92	--	--	--
	75-01-29	--	.04	--	.38	--	.74	--	--	--
	75-04-30	--	.02	--	1.1	--	.37	4.8	5.2	6.3
	75-08-12	--	.03	--	.99	--	.41	5.8	6.2	7.2
11N 12W13AAAA1	74-12-18	--	.01	--	5.0	--	.05	--	--	--
	75-04-30	--	.00	--	5.3	--	.02	.34	.36	5.7
	75-08-12	--	.01	--	4.4	--	.00	.34	.34	4.7
HAMILTON COUNTY										
9N 7W 6DAD 2	75-02-25	--	--	--	--	2.9	--	--	--	--
10N 6W 4CB 1	75-02-25	--	--	--	--	1.8	--	--	--	--
HOLT COUNTY										
28N 9W 4CDCC1	75-05-07	--	--	--	--	7.0	--	--	--	--
29N 10W28DA 1	75-05-07	--	--	--	--	7.4	--	--	--	--
29N 11W 8DC 1	75-05-10	--	--	--	--	30	--	--	--	--
29N 12W 3DD 2	75-05-08	--	--	--	--	24	--	--	--	--
29N 12W11DD 1	75-05-10	--	--	--	--	36	--	--	--	--
29N 12W14DA 1	75-05-10	--	--	--	--	11	--	--	--	--
30N 10W24DD 2	75-05-07	--	--	--	--	8.4	--	--	--	--
30N 11W16CAAA1	75-05-09	--	--	--	--	6.5	--	--	--	--
30N 12W23BA 1	75-05-08	--	--	--	--	6.6	--	--	--	--
30N 13W13CD 1	75-05-08	--	--	--	--	9.8	--	--	--	--
30N 14W23AA 2	75-05-08	--	--	--	--	8.9	--	--	--	--
30N 14W23AA 3	75-05-08	--	--	--	--	5.8	--	--	--	--
31N 10W20AA 1	75-05-09	--	--	--	--	10	--	--	--	--
31N 11W11AC 1	75-05-09	--	--	--	--	.34	--	--	--	--
31N 12W31BA 1	75-05-09	--	--	--	--	2.3	--	--	--	--
31N 12W35AB 1	75-05-09	--	--	--	--	6.9	--	--	--	--
HOWARD COUNTY										
14N 11W22DD 1	75-06-27	.23	--	.01	.27	.24	.00	.28	.28	.55
15N 9W 9BDCB1	75-06-16	--	--	--	--	2.8	--	--	--	--
15N 10W16DAAA1	75-06-17	--	--	--	--	1.8	--	--	--	--
15N 11W10CBA 1	75-06-17	--	--	--	--	1.5	--	--	--	--
16N 11W 6CDDD1	75-06-17	--	--	--	--	3.8	--	--	--	--
16N 11W18BC 1	75-08-07	--	--	--	--	3.3	--	--	--	--
16N 11W30DADA1	75-06-17	--	--	--	--	6.5	--	--	--	--
16N 11W34ACAD1	75-06-17	--	--	--	--	1.9	--	--	--	--
KEARNEY COUNTY										
6N 15W34DC 1	75-07-28	2.8	--	.02	2.9	2.8	.03	.22	.25	3.2
KEYA PAHA COUNTY										
33N 21W 7AD 2	75-05-08	--	--	--	--	.68	--	--	--	--
33N 21W 8DA 2	75-05-08	--	--	--	--	.77	--	--	--	--
33N 21W10DC 1	75-05-08	--	--	--	--	4.2	--	--	--	--
KNOX COUNTY										
29N 8W32AAA 1	75-05-04	--	--	--	--	6.9	--	--	--	--
LANCASTER COUNTY										
9N 6E33BCCC1	74-10-04	--	--	--	--	.03	--	--	--	--
9N 7E21ABAA1	74-10-04	--	--	--	--	.08	--	--	--	--
10N 6E36CDD 1	75-06-25	6.0	--	.00	6.0	6.0	.00	.10	.10	6.1
MADISON COUNTY										
21N 2W34AA 1	74-10-09	--	--	--	--	.01	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)
HALL COUNTY										
11N 10W14DCCB2	75-04-30	--	--	--	--	--	--	--	453	--
	75-08-12	--	--	--	--	--	--	--	469	7.2
11N 10W14DCCB3	74-12-17	--	--	--	--	--	--	--	423	--
	75-04-30	--	--	--	--	--	--	--	424	--
	75-08-12	--	--	--	--	--	--	--	430	7.3
11N 11W35AAAA1	74-11-01	--	--	--	--	--	--	--	767	--
	74-11-27	--	--	--	--	--	--	--	712	--
	74-12-18	--	--	--	--	--	--	--	728	--
	75-01-29	--	--	--	--	--	--	--	713	--
	75-04-30	--	--	--	--	--	--	--	743	--
	75-08-12	--	--	--	--	--	--	--	747	7.1
11N 11W36CBB 1	74-12-18	--	--	--	--	--	--	--	703	--
	75-04-30	--	--	--	--	--	--	--	677	--
	75-08-12	--	--	--	--	--	--	--	710	7.2
11N 12W12DDD 2	74-10-31	--	--	--	--	--	--	--	1590	--
	74-11-27	--	--	--	--	--	--	--	1720	--
	74-12-18	--	--	--	--	--	--	--	1640	--
	75-01-29	--	--	--	--	--	--	--	1880	--
	75-04-30	--	--	--	--	--	--	--	1890	--
	75-08-12	--	--	--	--	--	--	--	1740	6.9
11N 12W13AAAA1	74-12-18	--	--	--	--	--	--	--	1800	--
	75-04-30	--	--	--	--	--	--	--	1860	--
	75-08-12	--	--	--	--	--	--	--	1710	7.2
HAMILTON COUNTY										
9N 7W 6DAD 2	75-02-25	--	.24	--	411	270	78	.7	637	6.8
10N 6W 4CB 1	75-02-25	--	.24	--	284	190	11	.7	466	6.9
HOLT COUNTY										
28N 9W 4CDCC1	75-05-07	--	.22	--	194	100	5	.4	257	6.7
29N 10W28DA 1	75-05-07	--	.10	--	112	45	22	.5	139	6.8
29N 11W 8DC 1	75-05-10	--	.02	--	314	190	140	.3	501	--
29N 12W 3DD 2	75-05-08	--	.06	--	271	150	96	.4	388	6.6
29N 12W11DD 1	75-05-10	--	.07	--	386	230	130	.5	584	--
29N 12W14DA 1	75-05-10	--	.07	--	201	110	51	.4	295	6.6
30N 10W24DD 2	75-05-07	--	.05	--	132	62	35	.4	174	--
30N 11W16CAAA1	75-05-09	--	.07	--	182	85	6	.4	223	6.9
30N 12W23BA 1	75-05-08	--	.06	--	172	92	26	.4	244	7.6
30N 13W13CD 1	75-05-08	--	.06	--	222	110	18	.3	281	7.0
30N 14W23AA 2	75-05-08	--	.05	--	175	91	28	.4	238	7.1
30N 14W23AA 3	75-05-08	--	.16	--	169	78	5	.5	217	6.8
31N 10W20AA 1	75-05-09	--	.09	--	188	96	31	.2	243	7.0
31N 11W11AC 1	75-05-09	--	.01	--	536	390	110	.7	829	7.1
31N 12W31BA 1	75-05-09	--	.03	--	228	140	0	.3	305	6.9
31N 12W35AB 1	75-05-09	--	.14	--	189	110	18	.2	245	6.9
HOWARD COUNTY										
14N 11W22DD 1	75-06-27	.96	.01	303	359	310	84	.4	--	--
15N 9W 9BDCB1	75-06-16	--	.06	--	362	270	5	.3	545	6.9
15N 10W16DAAA1	75-06-17	--	.02	--	365	280	4	.2	556	7.1
15N 11W10CBA 1	75-06-17	--	.06	--	390	290	17	.3	584	7.1
16N 11W 6CDDD1	75-06-17	--	.04	--	425	330	32	.2	637	7.0
16N 11W18BC 1	75-08-07	--	.03	--	387	290	0	.3	594	7.2
16N 11W30DADA1	75-06-17	--	.08	--	409	300	16	.3	620	7.3
16N 11W34ACAD1	75-06-17	--	.12	--	464	340	0	.5	711	7.3
KEARNEY COUNTY										
6N 15W34DC 1	75-07-28	.18	.02	512	517	350	72	.6	765	7.0
KEYA PAHA COUNTY										
33N 21W 7AD 2	75-05-08	--	.27	--	96	23	0	.4	84	6.6
33N 21W 8DA 2	75-05-08	--	.15	--	172	87	0	.1	193	7.0
33N 21W10DC 1	75-05-08	--	.14	--	202	100	0	.3	258	6.9
KNOX COUNTY										
29N 8W32AAA 1	75-05-04	--	.06	--	323	190	0	.6	448	7.2
LANCASTER COUNTY										
9N 6E33BCCC1	74-10-04	--	.14	--	629	400	110	1.1	977	7.2
9N 7E21ABAA1	74-10-04	--	.19	--	685	460	200	.8	1070	7.2
10N 6E36CDD 1	75-06-25	.14	.11	352	363	190	0	1.4	544	7.1
MADISON COUNTY										
21N 2W34AA 1	74-10-09	--	.01	--	457	340	30	.5	722	7.0

LOCAL IDENT- I- FIER	DATE OF SAMPLE	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
HALL COUNTY										
11N 10W14DCCB2	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 10W14DCCB3	74-12-17	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 11W35AAAA1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 11W36CBB 1	74-12-18	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 12W12DDD 2	74-10-31	--	--	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
11N 12W13AAAA1	74-12-18	--	--	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
HAMILTON COUNTY										
9N 7W 6DAD 2	75-02-25	5	--	--	--	--	40	--	--	--
10N 6W 4CB 1	75-02-25	8	--	--	--	--	40	--	--	--
HOLT COUNTY										
28N 9W 4CDCC1	75-05-07	0	--	--	--	--	2	--	--	--
29N 10W28DA 1	75-05-07	2	--	--	--	--	0	--	--	--
29N 11W 8DC 1	75-05-10	3	--	--	--	--	10	--	--	--
29N 12W 3DD 2	75-05-08	4	--	--	--	--	10	--	--	--
29N 12W11DD 1	75-05-10	0	--	--	--	--	20	--	--	--
29N 12W14DA 1	75-05-10	0	--	--	--	--	20	--	--	--
30N 10W24DD 2	75-05-07	0	--	--	--	--	0	--	--	--
30N 11W16CAAA1	75-05-09	3	--	--	--	--	20	--	--	--
30N 12W23BA 1	75-05-08	2	--	--	--	--	10	--	--	--
30N 13W13CD 1	75-05-08	3	--	--	--	--	2	--	--	--
30N 14W23AA 2	75-05-08	15	--	--	--	--	20	--	--	--
30N 14W23AA 3	75-05-08	2	--	--	--	--	2	--	--	--
31N 10W20AA 1	75-05-09	0	--	--	--	--	0	--	--	--
31N 11W11AC 1	75-05-09	2	--	--	--	--	390	--	--	--
31N 12W31BA 1	75-05-09	3	--	--	--	--	20	--	--	--
31N 12W35AB 1	75-05-09	0	--	--	--	--	0	--	--	--
HOWARD COUNTY										
14N 11W2[illegible]DD 1	75-06-27	3	20	3	200	0	70	1	0	2
15N 9W 9BDCB1	75-06-16	0	--	--	--	--	40	--	--	--
15N 1[illegible]16DAAA1	75-06-17	1	--	--	--	--	50	--	--	--
15N [illegible]W10CBA 1	75-06-17	2	--	--	--	--	30	--	--	--
16N 11W 6CDDD1	75-06-17	2	--	--	--	--	50	--	--	--
16N 11W18BC 1	75-08-07	4	--	--	--	--	30	--	--	--
16N 11W30DADA1	75-06-17	2	--	--	--	--	50	--	--	--
16N 11W34ACAD1	75-06-17	0	--	--	--	--	70	--	--	--
KEARNEY COUNTY										
6N 15W34DC 1	75-07-28	2	10	2	100	0	50	1	0	0
KEYA PAHA COUNTY										
33N 21W 7AD 2	75-05-08	40	--	--	--	--	9	--	--	--
33N 21W 8DA 2	75-05-08	3	--	--	--	--	0	--	--	--
33N 21W10DC 1	75-05-08	7	--	--	--	--	20	--	--	--
KNOX COUNTY										
29N 8W32AAA 1	75-05-04	4	--	--	--	--	20	--	--	--
LANCASTER COUNTY										
9N 6E33BCCC1	74-10-04	3	--	--	--	--	160	--	--	--
9N 7E21ABAA1	74-10-04	3	--	--	--	--	220	--	--	--
10N 6E36CDD 1	75-06-25	6	20	2	100	0	60	1	0	0
MADISON COUNTY										
21N 2W34AA 1	74-10-09	2	--	--	--	--	170	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
HALL COUNTY								
11N 10W14DCCB2	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 10W14DCCB3	74-12-17	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 11W35AAAA1	74-11-01	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 11W36CBB 1	74-12-18	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 12W12DDD 2	74-10-31	--	--	--	--	--	--	--
	74-11-27	--	--	--	--	--	--	--
	74-12-18	--	--	--	--	--	--	--
	75-01-29	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
11N 12W13AAAA1	74-12-18	--	--	--	--	--	--	--
	75-04-30	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
HAMILTON COUNTY								
9N 7W 6DAD 2	75-02-25	6	--	--	--	--	--	--
10N 6W 4CB 1	75-02-25	10	--	--	--	--	--	--
HOLT COUNTY								
28N 9W 4CDCC1	75-05-07	5	--	--	--	--	--	--
29N 10W28DA 1	75-05-07	10	--	--	--	--	--	--
29N 11W 8DC 1	75-05-10	28	--	--	--	--	--	--
29N 12W 3DD 2	75-05-08	12	--	--	--	--	--	--
29N 12W11DD 1	75-05-10	140	--	--	--	--	--	--
29N 12W14DA 1	75-05-10	10	--	--	--	--	--	--
30N 10W24DD 2	75-05-07	12	--	--	--	--	--	--
30N 11W16CAAA1	75-05-09	1	--	--	--	--	--	--
30N 12W23BA 1	75-05-08	1	--	--	--	--	--	--
30N 13W13CD 1	75-05-08	1	--	--	--	--	--	--
30N 14W23AA 2	75-05-08	2	--	--	--	--	--	--
30N 14W23AA 3	75-05-08	15	--	--	--	--	--	--
31N 10W20AA 1	75-05-09	3	--	--	--	--	--	--
31N 11W11AC 1	75-05-09	3	--	--	--	--	--	--
31N 12W31BA 1	75-05-09	1	--	--	--	--	--	--
31N 12W35AB 1	75-05-09	3	--	--	--	--	--	--
HOWARD COUNTY								
14N 11W22DD 1	75-06-27	0	0	40	.0	5	1	2
15N 9W 9BDCB1	75-06-16	2	--	--	--	--	--	--
15N 10W16DAAA1	75-06-17	20	--	--	--	--	--	--
15N 11W10CBA 1	75-06-17	120	--	--	--	--	--	--
16N 11W 6CDDD1	75-06-17	5	--	--	--	--	--	--
16N 11W18BC 1	75-08-07	0	--	--	--	--	--	--
16N 11W30DADA1	75-06-17	50	--	--	--	--	--	--
16N 11W34ACAD1	75-06-17	40	--	--	--	--	--	--
KEARNEY COUNTY								
6N 15W34DC 1	75-07-28	2	0	30	.0	9	2	3
KEYA PAHA COUNTY								
33N 21W 7AD 2	75-05-08	30	--	--	--	--	--	--
33N 21W 8DA 2	75-05-08	4	--	--	--	--	--	--
33N 21W10DC 1	75-05-08	35	--	--	--	--	--	--
KNOX COUNTY								
29N 8W32AAA 1	75-05-04	9	--	--	--	--	--	--
LANCASTER COUNTY								
9N 6E33BCCC1	74-10-04	--	--	--	--	--	--	--
9N 7E21ABAA1	74-10-04	--	--	--	--	--	--	--
10N 6E36CDD 1	75-06-25	1	2	20	.0	0	1	2
MADISON COUNTY								
21N 2W34AA 1	74-10-09	--	--	--	.0	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
HALL COUNTY					
11N 10W14DCCB2	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 10W14DCCB3	74-12-17	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 11W35AAAA1	74-11-01	--	--	--	--
	74-11-27	--	--	--	--
	74-12-18	--	--	--	--
	75-01-29	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 11W36CBB 1	74-12-18	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 12W12DDD 2	74-10-31	--	--	--	--
	74-11-27	--	--	--	--
	74-12-18	--	--	--	--
	75-01-29	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
11N 12W13AAAA1	74-12-18	--	--	--	--
	75-04-30	--	--	--	--
	75-08-12	--	--	--	--
HAMILTON COUNTY					
9N 7W 6DAD 2	75-02-25	--	--	--	10
10N 6W 4CB 1	75-02-25	--	--	--	7
HOLT COUNTY					
28N 9W 4CDCC1	75-05-07	--	--	--	30
29N 10W28DA 1	75-05-07	--	--	--	30
29N 11W 8DC 1	75-05-10	--	--	--	280
29N 12W 3DD 2	75-05-08	--	--	--	90
29N 12W11DD 1	75-05-10	--	--	--	6
29N 12W14DA 1	75-05-10	--	--	--	10
30N 10W24DD 2	75-05-07	--	--	--	100
30N 11W16CAAA1	75-05-09	--	--	--	40
30N 12W23BA 1	75-05-08	--	--	--	70
30N 13W13CD 1	75-05-08	--	--	--	10
30N 14W23AA 2	75-05-08	--	--	--	1100
30N 14W23AA 3	75-05-08	--	--	--	20
31N 10W20AA 1	75-05-09	--	--	--	40
31N 11W11AC 1	75-05-09	--	--	--	290
31N 12W31BA 1	75-05-09	--	--	--	2
31N 12W35AB 1	75-05-09	--	--	--	90
HOWARD COUNTY					
14N 11W22DD 1	75-06-27	0	790	2.4	20
15N 9W 9BDCB1	75-06-16	--	--	--	40
15N 10W16DAAA1	75-06-17	--	--	--	100
15N 11W10CBA 1	75-06-17	--	--	--	30
16N 11W 6CDDD1	75-06-17	--	--	--	10
16N 11W18BC 1	75-08-07	--	--	--	0
16N 11W30DADA1	75-06-17	--	--	--	30
16N 11W34ACAD1	75-06-17	--	--	--	270
KEARNEY COUNTY					
6N 15W34DC 1	75-07-28	0	520	3.5	6
KEYA PAHA COUNTY					
33N 21W 7AD 2	75-05-08	--	--	--	820
33N 21W 8DA 2	75-05-08	--	--	--	40
33N 21W10DC 1	75-05-08	--	--	--	80
KNOX COUNTY					
29N 8W32AAA 1	75-05-04	--	--	--	4
LANCASTER COUNTY					
9N 6E33BCCC1	74-10-04	--	--	--	--
9N 7E21ABAA1	74-10-04	--	--	--	--
10N 6E36CDD 1	75-06-25	0	270	.0	0
MADISON COUNTY					
21N 2W34AA 1	74-10-09	--	--	--	180

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
MADISON COUNTY										
21N 3W 4DCCA1	41 49 01	097 39 58	01	112SDGV	160	74-10-08	48	50	10	91
22N 1W30BB 2	41 51 25	097 28 57	02	112SDGV	166	74-10-09	44	370	0	90
23N 2W 3ABAA1	42 00 10	097 31 45	01	112SDGV	73	74-10-10	41	1200	450	45
24N 2W22CC 1	42 02 05	097 32 26	01	111ALVM	40	74-10-09	38	1000	190	93
24N 4W35AD 1	42 00 46	097 44 22	01	112SDGV	105	74-10-09	43	20	0	57
MERRICK COUNTY										
12N 8W35ADDA1	40 58 06	098 11 14	01	110SDGV	9.0	74-11-01	--	--	--	--
				110SDGV	9.0	74-11-28	--	--	--	--
				110SDGV	9.0	74-12-17	--	--	--	--
				110SDGV	9.0	75-01-28	--	--	--	--
				110SDGV	9.0	75-05-01	--	--	--	--
				110SDGV	9.0	75-08-13	--	--	--	--
12N 8W35CCB 1	40 57 42	098 12 16	01	112SDGV	22	74-12-17	--	--	--	--
				112SDGV	22	75-05-01	--	--	--	--
				112SDGV	22	75-08-12	--	--	--	--
15N 6W34DDA 1	41 13 22	097 59 02	01	112SDGV	50	74-12-17	--	--	--	--
				112SDGV	50	75-05-01	--	--	--	--
				112SDGV	50	75-08-13	--	--	--	--
15N 6W34DDD 2	41 13 16	097 59 07	02	110WDBS	16	74-11-01	--	--	--	--
				110WDBS	16	74-11-28	--	--	--	--
				110WDBS	16	74-12-17	--	--	--	--
				110WDBS	16	75-01-28	--	--	--	--
				110WDBS	16	75-05-01	--	--	--	--
				110WDBS	16	75-08-13	--	--	--	--
15N 6W34DDD 3	41 13 16	097 59 07	03	112SDGV	40	75-08-13	--	--	--	--
15N 7W34BCC 1	41 13 43	098 06 55	01	112SDGV	60	74-12-17	--	--	--	--
				112SDGV	60	75-05-01	--	--	--	--
				112SDGV	60	75-08-13	--	--	--	--
15N 7W34CBBB1	41 14 10	098 06 58	01	110WDBS	25	74-11-01	--	--	--	--
				110WDBS	25	74-11-28	--	--	--	--
				110WDBS	25	74-12-17	--	--	--	--
				110WDBS	25	75-01-28	--	--	--	--
				110WDBS	25	75-05-01	--	--	--	--
				110WDBS	25	75-08-13	--	--	--	--
NANCE COUNTY										
15N 8W10BBAA1	41 17 32	098 13 40	01	121OGLL	140	75-06-16	55	260	10	94
16N 6W14ABAC1	41 21 52	097 58 10	01	121OGLL	70	75-06-16	51	30	20	110
16N 7W27DCD 1	41 19 23	098 06 10	01	121OGLL	80	75-06-16	60	20	300	97
16N 7W31DBBD1	41 18 50	098 09 47	01	121OGLL	210	75-06-16	56	10	20	90
16N 7W35AB 1	41 19 13	098 05 00	01	112SDGV	97	75-08-08	48	0	0	110
PHELPS COUNTY										
7N 18W31AA 1	40 32 17	099 23 58	01	112SDGV	150	75-07-29	29	150	150	170
PLATTE COUNTY										
18N 1W12DD 1	41 32 30	097 22 10	01	112SDGV	120	74-10-09	47	20	0	93
20N 2W35CC 1	41 39 27	097 31 03	01	112SDGV	160	74-10-09	39	60	20	82
POLK COUNTY										
13N 4W21CCD 2	41 04 34	097 47 11	02	112SDGV	150	75-02-24	30	20	10	79
14N 1W 9DCA 1	41 11 45	097 25 46	01	112SDGV	270	75-02-25	34	10	0	61
SALINE COUNTY										
8N 3E20BAD 1	40 39 02	097 06 49	01	112SDGV	190	75-02-26	29	120	540	72
SAUNDERS COUNTY										
14N 8E24ACD 2	41 10 05	096 28 15	02	112SDGV	80	75-06-25	47	80	0	51
SEWARD COUNTY										
11N 1E29BC 1	40 53 30	097 20 48	01	112SDGV	254	75-02-24	32	10	20	67
11N 2E26AD 9	40 53 43	097 09 39	09	112SDGV	117	75-02-24	28	10	0	69
STANTON COUNTY										
23N 1E16DA 1	41 57 59	097 18 46	01	111ALVM	32	74-10-10	25	2100	60	110
23N 3E 2DC 1	41 59 28	097 02 45	01	111ALVM	30	74-10-10	34	290	80	62
THURSTON COUNTY										
25N 6E26DADB1	42 06 20	096 41 35	01	112SDGV	70	74-10-10	28	150	460	110

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)	DIS- SOLVED FLUO- RIDE (F) (MG/L) (00950)	TOTAL NITRATE (N) (MG/L) (00620)
MADISON COUNTY										
21N 3W 4DCCA1	74-10-08	14	9.9	3.9	354	0	13	4.9	.2	--
22N 1W30BB 2	74-10-09	16	11	5.9	357	0	15	3.0	.2	--
23N 2W 3ABAA1	74-10-10	6.0	11	4.2	177	0	16	1.0	.3	--
24N 2W22CC 1	74-10-09	21	20	12	373	0	49	3.4	.4	--
24N 4W35AD 1	74-10-09	10	7.6	7.4	243	0	9.6	1.1	.3	--
MERRICK COUNTY										
12N 8W35ADDA1	74-11-01	--	--	--	--	--	--	18	--	12
	74-11-28	--	--	--	--	--	--	16	--	11
	74-12-17	--	--	--	--	--	--	17	--	14
	75-01-28	--	--	--	--	--	--	20	--	33
	75-05-01	--	--	--	--	--	--	19	--	13
	75-08-13	--	--	--	--	--	--	18	--	9.4
12N 8W35CCB 1	74-12-17	--	--	--	--	--	--	23	--	6.4
	75-05-01	--	--	--	--	--	--	20	--	8.2
	75-08-12	--	--	--	--	--	--	19	--	8.2
15N 6W34DDA 1	74-12-17	--	--	--	--	--	--	38	--	54
	75-05-01	--	--	--	--	--	--	34	--	59
	75-08-13	--	--	--	--	--	--	6.9	--	20
15N 6W34DDD 2	74-11-01	--	--	--	--	--	--	1.8	--	.06
	74-11-28	--	--	--	--	--	--	1.9	--	.16
	74-12-17	--	--	--	--	--	--	1.8	--	.41
	75-01-28	--	--	--	--	--	--	2.3	--	.55
	75-05-01	--	--	--	--	--	--	5.9	--	.55
	75-08-13	--	--	--	--	--	--	7.5	--	.34
15N 6W34DDD 3	75-08-13	--	--	--	--	--	--	8.5	--	25
15N 7W34BCC 1	74-12-17	--	--	--	--	--	--	1.8	--	1.2
	75-05-01	--	--	--	--	--	--	1.7	--	1.4
	75-08-13	--	--	--	--	--	--	2.5	--	1.6
15N 7W34CBBB1	74-11-01	--	--	--	--	--	--	4.4	--	26
	74-11-28	--	--	--	--	--	--	5.6	--	25
	74-12-17	--	--	--	--	--	--	6.8	--	24
	75-01-28	--	--	--	--	--	--	7.2	--	24
	75-05-01	--	--	--	--	--	--	6.3	--	18
	75-08-13	--	--	--	--	--	--	12	--	18
NANCE COUNTY										
15N 8W10BBAA1	75-06-16	11	8.3	6.2	342	0	8.3	3.2	.1	--
16N 6W14ABAC1	75-06-16	21	28	12	415	0	81	7.5	.2	--
16N 7W27DCD 1	75-06-16	15	11	8.9	371	0	19	4.0	.2	--
16N 7W31DBBD1	75-06-16	11	8.1	5.1	322	0	9.9	3.6	.2	--
16N 7W35AB 1	75-08-08	21	23	9.1	397	0	28	11	.2	--
PHELPS COUNTY										
7N 18W31AA 1	75-07-29	22	53	18	341	0	270	47	.4	--
PLATTE COUNTY										
18N 1W12DD 1	74-10-09	18	19	6.4	351	0	48	11	.3	--
20N 2W35CC 1	74-10-09	20	37	7.9	270	0	130	36	.3	--
POLK COUNTY										
13N 4W21CCD 2	75-02-24	14	26	6.8	334	0	31	8.4	.3	--
14N 1W 9DCA 1	75-02-25	10	20	7.2	250	0	24	6.4	.3	--
SALINE COUNTY										
8N 3E20BAD 1	75-02-26	13	27	4.5	278	0	50	10	.3	--
SAUNDERS COUNTY										
14N 8E24ACD 2	75-06-25	9.3	16	8.9	212	0	32	1.8	.5	--
SEWARD COUNTY										
11N 1E29BC 1	75-02-24	12	30	4.8	272	0	34	11	1.2	--
11N 2E26AD 9	75-02-24	12	35	7.0	247	0	79	6.1	.3	--
STANTON COUNTY										
23N 1E16DA 1	74-10-10	26	20	11	414	0	85	4.4	.3	--
23N 3E 2DC 1	74-10-10	13	8.5	6.5	253	0	24	1.5	.2	--
THURSTON COUNTY										
25N 6E26DADB1	74-10-10	43	19	4.6	445	0	110	2.0	.3	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
MADISON COUNTY										
21N 3W 4DCCA1	74-10-08	--	--	--	--	1.3	--	--	--	--
22N 1W30BB 2	74-10-09	--	--	--	--	1.1	--	--	--	--
23N 2W 3ABAA1	74-10-10	--	--	--	--	.08	--	--	--	--
24N 2W22CC 1	74-10-09	--	--	--	--	.22	--	--	--	--
24N 4W35AD 1	74-10-09	--	--	--	--	.91	--	--	--	--
MERRICK COUNTY										
12N 8W35ADDA1	74-11-01	--	.01	--	12	--	.03	--	--	--
	74-11-28	--	.01	--	11	--	.05	--	--	--
	74-12-17	--	.01	--	14	--	.04	--	--	--
	75-01-28	--	.04	--	33	--	.03	--	--	--
	75-05-01	--	.00	--	13	--	.06	2.4	2.5	16
	75-08-13	--	.01	--	9.4	--	.00	7.8	7.8	17
12N 8W35CCB 1	74-12-17	--	.04	--	6.4	--	.08	--	--	--
	75-05-01	--	.00	--	8.2	--	.00	.26	.26	8.5
	75-08-12	--	.01	--	8.2	--	.00	.08	.08	8.3
15N 6W34DDA 1	74-12-17	--	.00	--	54	--	.07	--	--	--
	75-05-01	--	.00	--	59	--	.02	.00	.02	59
	75-08-13	--	.01	--	20	--	.00	.26	.26	20
15N 6W34DDD 2	74-11-01	--	.02	--	.08	--	.07	--	--	--
	74-11-28	--	.01	--	.17	--	.09	--	--	--
	74-12-17	--	.01	--	.42	--	.09	--	--	--
	75-01-28	--	.01	--	.56	--	.16	--	--	--
	75-05-01	--	.00	--	.55	--	.07	15	15	16
	75-08-13	--	.01	--	.35	--	.02	6.6	6.6	6.9
15N 6W34DDD 3	75-08-13	--	.44	--	25	--	.00	.25	.25	25
15N 7W34BCC 1	74-12-17	--	.00	--	1.2	--	.06	--	--	--
	75-05-01	--	.00	--	1.4	--	.00	.32	.32	1.7
	75-08-13	--	.01	--	1.6	--	.00	.12	.12	1.7
15N 7W34CBBB1	74-11-01	--	.49	--	26	--	.35	--	--	--
	74-11-28	--	.41	--	25	--	.43	--	--	--
	74-12-17	--	.15	--	24	--	.58	--	--	--
	75-01-28	--	.39	--	24	--	.43	--	--	--
	75-05-01	--	.02	--	18	--	.19	6.3	6.5	25
	75-08-13	--	.06	--	18	--	.58	9.0	9.6	28
NANCE COUNTY										
15N 8W10BBAA1	75-06-16	--	--	--	--	.89	--	--	--	--
16N 6W14ABAC1	75-06-16	--	--	--	--	1.8	--	--	--	--
16N 7W27DCD 1	75-06-16	--	--	--	--	1.7	--	--	--	--
16N 7W31DBBD1	75-06-16	--	--	--	--	1.4	--	--	--	--
16N 7W35AB 1	75-08-08	--	--	--	--	13	--	--	--	--
PHELPS COUNTY										
7N 18W31AA 1	75-07-29	2.2	--	.01	8.7	2.2	.04	1.6	1.6	10
PLATTE COUNTY										
18N 1W12DD 1	74-10-09	--	--	--	--	4.4	--	--	--	--
20N 2W35CC 1	74-10-09	--	--	--	--	6.3	--	--	--	--
POLK COUNTY										
13N 4W21CCD 2	75-02-24	--	--	--	--	3.7	--	--	--	--
14N 1W 9DCA 1	75-02-25	--	--	--	--	3.8	--	--	--	--
SALINE COUNTY										
8N 3E20BAD 1	75-02-26		--	--	--	.13	--	--	--	--
SAUNDERS COUNTY										
14N 8E24ACD 2	75-06-25	2.0	--	.00	2.0	2.0	.00	.21	.21	2.2
SEWARD COUNTY										
11N 1E29BC 1	75-02-24	--	--	--	--	7.8	--	--	--	--
11N 2E26AD 9	75-02-24	--	--	--	--	5.7	--	--	--	--
STANTON COUNTY										
23N 1E16DA 1	74-10-10	--	--	--	--	.62	--	--	--	--
23N 3E 2DC 1	74-10-10	--	--	--	--	.00	--	--	--	--
THURSTON COUNTY										
25N 6E26DADB1	74-10-10	--	--	--	--	.03	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)
MADISON COUNTY										
21N 3W 4DCCA1	74-10-08	--	.12	--	367	290	0	.3	580	7.1
22N 1W30BB 2	74-10-09	--	.19	--	367	290	0	.3	583	7.1
23N 2W 3ABAA1	74-10-10	--	.07	--	214	140	0	.4	309	7.4
24N 2W22CC 1	74-10-09	--	.06	--	423	320	13	.5	679	7.2
24N 4W35AD 1	74-10-09	--	.28	--	260	180	0	.2	404	7.0
MERRICK COUNTY										
12N 8W35ADDA1	74-11-01	--	--	--	--	--	--	--	1030	--
	74-11-28	--	--	--	--	--	--	--	997	--
	74-12-17	--	--	--	--	--	--	--	1010	--
	75-01-28	--	--	--	--	--	--	--	1050	--
	75-05-01	--	--	--	--	--	--	--	1020	--
	75-08-13	--	--	--	--	--	--	--	1040	6.9
12N 8W35CCB 1	74-12-17	--	--	--	--	--	--	--	837	--
	75-05-01	--	--	--	--	--	--	--	799	--
	75-08-12	--	--	--	--	--	--	--	793	7.1
15N 6W34DDA 1	74-12-17	--	--	--	--	--	--	--	932	--
	75-05-01	--	--	--	--	--	--	--	854	--
	75-08-13	--	--	--	--	--	--	--	370	7.1
15N 6W34DDD 2	74-11-01	--	--	--	--	--	--	--	83	--
	74-11-28	--	--	--	--	--	--	--	88	--
	74-12-17	--	--	--	--	--	--	--	88	--
	75-01-28	--	--	--	--	--	--	--	96	--
	75-05-01	--	--	--	--	--	--	--	150	--
	75-08-13	--	--	--	--	--	--	--	148	7.1
15N 6W34DDD 3	75-08-13	--	--	--	--	--	--	--	409	6.9
15N 7W34BCC 1	74-12-17	--	--	--	--	--	--	--	334	--
	75-05-01	--	--	--	--	--	--	--	328	--
	75-08-13	--	--	--	--	--	--	--	329	7.3
15N 7W34CBBB1	74-11-01	--	--	--	--	--	--	--	496	--
	74-11-28	--	--	--	--	--	--	--	461	--
	74-12-17	--	--	--	--	--	--	--	464	--
	75-01-28	--	--	--	--	--	--	--	450	--
	75-05-01	--	--	--	--	--	--	--	403	--
	75-08-13	--	--	--	--	--	--	--	394	7.1
NANCE COUNTY										
15N 8W10BBAA1	75-06-16	--	.03	--	359	280	0	.2	550	6.9
16N 6W14ABAC1	75-06-16	--	.22	--	523	360	21	.6	810	6.9
16N 7W27DCD 1	75-06-16	--	.03	--	406	300	0	.3	612	7.0
16N 7W31DBBD1	75-06-16	--	.06	--	349	270	6	.2	533	6.8
16N 7W35AB 1	75-08-08	--	.41	--	504	360	36	.5	--	6.6
PHELPS COUNTY										
7N 18W31AA 1	75-07-29	.18	.15	--	789	520	240	1.0	1170	7.0
PLATTE COUNTY										
18N 1W12DD 1	74-10-09	--	.11	--	439	310	18	.5	730	7.0
20N 2W35CC 1	74-10-09	--	.01	--	517	290	56	1.0	1000	7.0
POLK COUNTY										
13N 4W21CCD 2	75-02-24	--	.46	--	377	260	0	.7	608	6.9
14N 1W 9DCA 1	75-02-25	--	.43	--	303	190	0	.6	484	6.8
SALINE COUNTY										
8N 3E20BAD 1	75-02-26	--	.18	--	344	230	5	.8	534	6.9
SAUNDERS COUNTY										
14N 8E24ACD 2	75-06-25	.62	.49	284	288	170	0	.5	415	7.1
SEWARD COUNTY										
11N 1E29BC 1	75-02-24	--	.35	--	361	220	0	.9	571	6.9
11N 2E26AD 9	75-02-24	--	.28	--	383	220	19	1.0	602	6.8
STANTON COUNTY										
23N 1E16DA 1	74-10-10	--	.01	--	491	380	42	.4	756	7.3
23N 3E 2DC 1	74-10-10	--	.09	--	275	210	1	.3	438	7.3
THURSTON COUNTY										
25N 6E26DADB1	74-10-10	--	.17	--	537	450	87	.4	845	7.5

LOCAL IDENT-I-FIER	DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
MADISON COUNTY										
21N 3W 4DCCA1	74-10-08	2	--	--	--	--	60	--	--	--
22N 1W30BB 2	74-10-09	0	--	--	--	--	60	--	--	--
23N 2W 3ABAA1	74-10-10	3	--	--	--	--	20	--	--	--
24N 2W22CC 1	74-10-09	2	--	--	--	--	130	--	--	--
24N 4W35AD 1	74-10-09	0	--	--	--	--	60	--	--	--
MERRICK COUNTY										
12N 8W35ADDA1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--	--	--
12N 8W35CCB 1	74-12-17	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--	--	--
15N 6W34DDA 1	74-12-17	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--	--	--
15N 6W34DDD 2	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--	--	--
15N 6W34DDD 3	75-08-13	--	--	--	--	--	--	--	--	--
15N 7W34BCC 1	74-12-17	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--	--	--
15N 7W34CBBB1	74-11-01	--	--	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--	--	--
NANCE COUNTY										
15N 8W10BBAA1	75-06-16	6	--	--	--	--	30	--	--	--
16N 6W14ABAC1	75-06-16	1	--	--	--	--	70	--	--	--
16N 7W27DCD 1	75-06-16	3	--	--	--	--	50	--	--	--
16N 7W31DBBD1	75-06-16	0	--	--	--	--	30	--	--	--
16N 7W35AB 1	75-08-08	15	--	--	--	--	70	--	--	--
PHELPS COUNTY										
7N 18W31AA 1	75-07-29	15	30	0	200	0	90	13	--	1
PLATTE COUNTY										
18N 1W12DD 1	74-10-09	2	--	--	--	--	70	--	--	--
20N 2W35CC 1	74-10-09	0	--	--	--	--	60	--	--	--
POLK COUNTY										
13N 4W21CCD 2	75-02-24	5	--	--	--	--	30	--	--	--
14N 1W 9DCA 1	75-02-25	3	--	--	--	--	30	--	--	--
SALINE COUNTY										
8N 3E20BAD 1	75-02-26	10	--	--	--	--	50	--	--	--
SAUNDERS COUNTY										
14N 8E24ACD 2	75-06-25	6	20	9	100	0	60	2	0	0
SEWARD COUNTY										
11N 1E29BC 1	75-02-24	0	--	--	--	--	60	--	--	--
11N 2E26AD 9	75-02-24	3	--	--	--	--	50	--	--	--
STANTON COUNTY										
23N 1E16DA 1	74-10-10	0	--	--	--	--	100	--	--	--
23N 3E 2DC 1	74-10-10	2	--	--	--	--	40	--	--	--
THURSTON COUNTY										
25N 6E26DAD91	74-10-10	2	--	--	--	--	70	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
MADISON COUNTY								
21N 3W 4DCCA1	74-10-08	--	--	--	.0	--	--	--
22N 1W30BB 2	74-10-09	--	--	--	.0	--	--	--
23N 2W 3ABAA1	74-10-10	--	--	--	.0	--	--	--
24N 2W22CC 1	74-10-09	--	--	--	.0	--	--	--
24N 4W35AD 1	74-10-09	--	--	--	.0	--	--	--
MERRICK COUNTY								
12N 8W35ADDA1	74-11-01	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--
12N 8W35CCB 1	74-12-17	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-12	--	--	--	--	--	--	--
15N 6W34DDA 1	74-12-17	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--
15N 6W34DDD 2	74-11-01	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--
15N 6W34DDD 3	75-08-13	--	--	--	--	--	--	--
15N 7W34BCC 1	74-12-17	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--
15N 7W34CBBB1	74-11-01	--	--	--	--	--	--	--
	74-11-28	--	--	--	--	--	--	--
	74-12-17	--	--	--	--	--	--	--
	75-01-28	--	--	--	--	--	--	--
	75-05-01	--	--	--	--	--	--	--
	75-08-13	--	--	--	--	--	--	--
NANCE COUNTY								
15N 8W10BBAA1	75-06-16	5	--	--	--	--	--	--
16N 6W14ABAC1	75-06-16	4	--	--	--	--	--	--
16N 7W27DCD 1	75-06-16	50	--	--	--	--	--	--
16N 7W31DBAD1	75-06-16	3	--	--	--	--	--	--
16N 7W35AB 1	75-08-08	0	--	--	--	--	--	--
PHELPS COUNTY								
7N 18W31AA 1	75-07-29	2	1	40	.0	15	1	28
PLATTE COUNTY								
18N 1W12DD 1	74-10-09	--	--	--	.0	--	--	--
20N 2W35CC 1	74-10-09	--	--	--	.0	--	--	--
POLK COUNTY								
13N 4W21CCD 2	75-02-24	20	--	--	--	--	--	--
14N 1W 9DCA 1	75-02-25	8	--	--	--	--	--	--
SALINE COUNTY								
8N 3E20BAD 1	75-02-26	8	--	--	--	--	--	--
SAUNDERS COUNTY								
14N 8E24ACD 2	75-06-25	3	1	20	.4	5	2	5
SEWARD COUNTY								
11N 1E29BC 1	75-02-24	20	--	--	--	--	--	--
11N 2E26AD 9	75-02-24	6	--	--	--	--	--	--
STANTON COUNTY								
23N 1E18DA 1	74-10-10	--	--	--	.0	--	--	--
23N 3E 2DC 1	74-10-10	--	--	--	.0	--	--	--
THURSTON COUNTY								
25N 6E26DADB1	74-10-10	--	--	--	.0	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
MADISON COUNTY					
21N 3W 4DCCA1	74-10-08	--	--	--	1900
22N 1W30BB 2	74-10-09	--	--	--	520
23N 2W 3ABAA1	74-10-10	--	--	--	120
24N 2W22CC 1	74-10-09	--	--	--	490
24N 4W35AD 1	74-10-09	--	--	--	180
MERRICK COUNTY					
12N 8W35ADDA1	74-11-01	--	--	--	--
	74-11-28	--	--	--	--
	74-12-17	--	--	--	--
	75-01-28	--	--	--	--
	75-05-01	--	--	--	--
	75-08-13	--	--	--	--
12N 8W35CCB 1	74-12-17	--	--	--	--
	75-05-01	--	--	--	--
	75-08-12	--	--	--	--
15N 6W34DDA 1	74-12-17	--	--	--	--
	75-05-01	--	--	--	--
	75-08-13	--	--	--	--
15N 6W34DDD 2	74-11-01	--	--	--	--
	74-11-28	--	--	--	--
	74-12-17	--	--	--	--
	75-01-28	--	--	--	--
	75-05-01	--	--	--	--
	75-08-13	--	--	--	--
15N 6W34DDD 3	75-08-13	--	--	--	--
15N 7W34BCC 1	74-12-17	--	--	--	--
	75-05-01	--	--	--	--
	75-08-13	--	--	--	--
15N 7W34CBBB1	74-11-01	--	--	--	--
	74-11-28	--	--	--	--
	74-12-17	--	--	--	--
	75-01-28	--	--	--	--
	75-05-01	--	--	--	--
	75-08-13	--	--	--	--
NANCE COUNTY					
15N 8W10BBAA1	75-06-16	--	--	--	330
16N 6W14ABAC1	75-06-16	--	--	--	40
16N 7W27DCD 1	75-06-16	--	--	--	100
16N 7W31DBBD1	75-06-16	--	--	--	140
16N 7W35AB 1	75-08-08	--	--	--	10
PHELPS COUNTY					
7N 18W31AA 1	75-07-29	0	770	.2	30
PLATTE COUNTY					
18N 1W12DD 1	74-10-09	--	--	--	3600
20N 2W35CC 1	74-10-09	--	--	--	3300
POLK COUNTY					
13N 4W21CCD 2	75-02-24	--	--	--	10
14N 1W 9DCA 1	75-02-25	--	--	--	20
SALINE COUNTY					
8N 3E20BAD 1	75-02-26	--	--	--	20
SAUNDERS COUNTY					
14N 8E24ACD 2	75-06-25	0	240	8.0	10
SEWARD COUNTY					
11N 1E29BC 1	75-02-24	--	--	--	10
11N 2E26AD 9	75-02-24	--	--	--	10
STANTON COUNTY					
23N 1E16DA 1	74-10-10	--	--	--	360
23N 3E 2DC 1	74-10-10	--	--	--	570
THURSTON COUNTY					
25N 6E26DADB1	74-10-10	--	--	--	30

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
VALLEY COUNTY										
17N 13W 4ABAA1	41 28 49	098 48 48	01	121OGLL	300	75-06-17	63	20	250	100
17N 13W 8DD 1	41 27 20	098 49 49	01	121OGLL	287	75-08-07	60	0	0	95
17N 14W 6BCD 1	41 28 29	098 58 39	01	112SDGV	504	75-08-07	60	0	10	92
18N 13W12ACDA1	41 32 52	098 45 24	01	121OGLL	150	75-06-17	53	30	10	66
18N 13W25CCCB1	41 29 48	098 46 10	01	121OGLL	268	74-10-02	--	--	--	120
18N 13W33AC 1	41 29 24	098 49 34	01	121OGLL	257	75-06-18	53	80	340	99
18N 14W22DADD1	41 30 53	098 54 17	01	121OGLL	195	75-06-18	61	20	50	99
18N 15W 8AABC1	41 33 05	099 03 42	01	121OGLL	235	74-10-01	--	--	--	160
				121OGLL	235	75-06-18	50	20	0	150
18N 15W13ADDC1	41 31 55	098 59 00	01	121OGLL	248	75-06-18	52	10	5	100
18N 16W 1ADDA1	41 33 42	099 05 49	01	121OGLL	180	74-10-01	--	--	--	84
19N 14W22AACC1	41 36 32	098 54 35	01	121OGLL	300	74-10-02	--	--	--	89
19N 15W 6DCCD1	41 38 25	099 05 05	01	121OGLL	200	74-10-01	--	--	--	82
19N 15W16CBBC1	41 37 02	099 03 29	01	121OGLL	120	74-10-01	--	--	--	84
19N 15W19BBDB1	41 36 32	099 05 35	01	121OGLL	225	74-10-01	--	--	--	110
				121OGLL	225	75-06-18	57	30	190	110
19N 15W20DDBB1	41 35 54	099 03 36	01	121OGLL	100	74-10-01	--	--	--	96
19N 16W 7BADA1	41 38 17	099 13 10	01	121OGLL	280	74-10-02	--	--	--	93
19N 16W11DADB1	41 37 48	099 07 05	01	121OGLL	150	74-10-01	--	--	--	78
19N 16W13DB 1	41 36 57	099 06 15	01	121OGLL	305	75-08-07	57	40	360	100
19N 16W16DADC1	41 36 54	099 09 20	01	121OGLL	215	74-10-02	--	--	--	98
				121OGLL	215	75-06-18	57	10	0	93
19N 16W35ABAA1	41 34 52	099 07 13	01	121OGLL	160	74-10-01	--	--	--	130
				121OGLL	160	75-06-18	58	10	30	110
WASHINGTON COUNTY										
18N 9E 1DC 1	41 33 15	096 21 16	01	110SDGV	70	74-10-16	13	3100	250	120
YORK COUNTY										
9N 4W 6AC 1	40 46 46	097 48 51	01	112SDGV	171	75-02-25	28	40	0	68
11N 2W31CA 1	40 52 42	097 35 24	01	112SDGV	138	75-02-25	32	10	0	73
12N 1W11BC 2	41 01 37	097 24 13	02	112SDGV	156	75-02-24	36	10	0	85

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	TOTAL NITRATE (N) (MG/L) (00620)
VALLEY COUNTY										
17N 13W 4ABAA1	75-06-17	17	15	10	383	0	45	5.5	.2	--
17N 13W 8DD 1	75-08-07	12	10	7.2	345	0	20	3.6	.2	--
17N 14W 6BCD 1	75-08-07	11	11	8.5	329	0	31	3.6	.2	--
18N 13W12ACDA1	75-06-17	8.9	9.9	6.7	244	0	14	3.1	.2	--
18N 13W25CCCB1	74-10-02	24	47	--	--	--	--	--	--	--
18N 13W33AC 1	75-06-18	14	12	8.1	363	0	29	5.5	.2	--
18N 14W22DADD1	75-06-18	14	9.6	7.9	339	0	34	3.8	.2	--
18N 15W 8AABC1	74-10-01	22	17	--	--	--	--	--	--	--
	75-06-18	20	17	16	342	0	200	12	.2	--
18N 15W13ADDC1	75-06-18	13	18	16	350	0	40	8.8	.2	--
18N 16W 1ADDA1	74-10-01	11	7.9	--	--	--	--	--	--	--
19N 14W22AACC1	74-10-02	13	16	--	--	--	--	--	--	--
19N 15W 6DCCD1	74-10-01	16	9.2	--	--	--	--	--	--	--
19N 15W16CBBC1	74-10-01	3.3	8.1	--	--	--	--	--	--	--
19N 15W19BBDB1	74-10-01	18	9.9	--	--	--	--	--	--	--
	75-06-18	16	10	8.2	358	0	77	3.4	.1	--
19N 15W20DDBB1	74-10-01	18	10	--	--	--	--	--	--	--
19N 16W 7BADA1	74-10-02	15	11	--	--	--	--	--	--	--
19N 16W11DADB1	74-10-01	13	11	--	--	--	--	--	--	--
19N 16W13DB 1	75-08-07	12	8.9	8.2	333	0	58	3.8	.2	--
19N 16W16DADC1	74-10-02	15	9.7	--	--	--	--	--	--	--
	75-06-18	14	9.1	7.5	332	0	21	7.8	.2	--
19N 16W35ABAA1	74-10-01	17	20	--	--	--	--	--	--	--
	75-06-18	14	15	11	331	--	78	5.6	.1	--
WASHINGTON COUNTY										
18N 9E 1DC 1	74-10-16	30	46	5.8	466	0	120	6.4	.5	--
YORK COUNTY										
9N 4W 6AC 1	75-02-25	11	22	5.4	238	0	37	19	.4	--
11N 2W31CA 1	75-02-25	13	34	6.7	298	0	41	13	.3	--
12N 1W11BC 2	75-02-24	13	27	5.9	341	0	21	9.3	.3	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED NITRATE (N) (MG/L) (00618)	TOTAL NITRITE (N) (MG/L) (00615)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	TOTAL NITRITE PLUS NITRATE (N) (MG/L) (00630)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	AMMONIA NITRO-GEN (N) (MG/L) (00610)	TOTAL ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	TOTAL NITRO-GEN (N) (MG/L) (00600)
VALLEY COUNTY										
17N 13W 4ABAA1	75-06-17	--	--	--	--	1.5	--	--	--	--
17N 13W 8DD 1	75-08-07	--	--	--	--	1.9	--	--	--	--
17N 14W 6BCD 1	75-08-07	--	--	--	--	1.5	--	--	--	--
18N 13W12ACDA1	75-06-17	--	--	--	--	1.6	--	--	--	--
18N 13W25CCCB1	74-10-02	--	--	--	--	1.6	--	--	--	--
18N 13W33BC 1	75-06-18	--	--	--	--	.68	--	--	--	--
18N 14W22DADD1	75-06-18	--	--	--	--	1.5	--	--	--	--
18N 15W 8AABC1	74-10-01	--	--	--	--	4.8	--	--	--	--
	75-06-18	--	--	--	--	5.0	--	--	--	--
18N 15W13ADDC1	75-06-18	--	--	--	--	4.3	--	--	--	--
18N 16W 1ADDA1	74-10-01	--	--	--	--	1.4	--	--	--	--
19N 14W22AACC1	74-10-02	--	--	--	--	1.8	--	--	--	--
19N 15W 6DCCD1	74-10-01	--	--	--	--	.01	--	--	--	--
19N 15W16CBBC1	74-10-01	--	--	--	--	.39	--	--	--	--
19N 15W19BBDB1	74-10-01	--	--	--	--	.28	--	--	--	--
	75-06-18	--	--	--	--	.19	--	--	--	--
19N 15W20DDBB1	74-10-01	--	--	--	--	.75	--	--	--	--
19N 16W 7BADA1	74-10-02	--	--	--	--	4.4	--	--	--	--
19N 16W11DADB1	74-10-01	--	--	--	--	1.9	--	--	--	--
19N 16W13DB 1	75-08-07	--	--	--	--	.15	--	--	--	--
19N 16W16DADC1	74-10-02	--	--	--	--	4.9	--	--	--	--
	75-06-18	--	--	--	--	5.0	--	--	--	--
19N 16W35ABAA1	74-10-01	--	--	--	--	5.9	--	--	--	--
	75-06-18	--	--	--	--	5.0	--	--	--	--
WASHINGTON COUNTY										
18N 9E 1DC 1	74-10-16	--	--	--	--	.10	--	--	--	--
YORK COUNTY										
9N 4W 6AC 1	75-02-25	--	--	--	--	4.8	--	--	--	--
11N 2W31CA 1	75-02-25	--	--	--	--	5.0	--	--	--	--
12N 1W11BC 2	75-02-24	--	--	--	--	4.4	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)
VALLEY COUNTY										
17N 13W 4ABAA1	75-06-17	--	.03	--	452	320	6	.4	712	6.9
17N 13W 8DD 1	75-08-07	--	.06	--	387	290	4	.3	576	6.9
17N 14W 6BCD 1	75-08-07	--	.06	--	386	280	5	.3	568	6.8
18N 13W12ACDA1	75-06-17	--	.05	--	289	200	1	.3	433	7.3
18N 13W25CCCB1	74-10-02	--	--	534	--	400	--	1.0	915	7.1
18N 13W33BC 1	75-06-18	--	.06	--	403	300	7	.3	631	7.5
18N 14W22DADD1	75-06-18	--	.01	--	403	300	27	.2	610	7.2
18N 15W 8AABC1	74-10-01	--	--	687	--	490	--	.3	952	7.0
	75-06-18	--	.07	--	657	460	180	.3	952	7.5
18N 15W13ADDC1	75-06-18	--	.03	--	440	300	16	.5	667	7.5
18N 16W 1ADDA1	74-10-01	--	--	305	--	260	--	.2	508	7.0
19N 14W22AACC1	74-10-02	--	--	324	--	280	--	.4	576	7.2
19N 15W 6DCCD1	74-10-01	--	--	308	--	270	--	.2	541	7.2
19N 15W16CBBC1	74-10-01	--	--	352	--	220	--	.2	550	7.3
19N 15W19BBDB1	74-10-01	--	--	396	--	350	--	.2	704	7.3
	75-06-18	--	.03	--	459	340	47	.2	698	7.3
19N 15W20DDBB1	74-10-01	--	--	378	--	310	--	.2	609	7.4
19N 16W 7BADA1	74-10-02	--	--	376	--	290	--	.3	589	7.2
19N 16W11DADB1	74-10-01	--	--	334	--	250	--	.3	522	7.5
19N 16W13DB 1	75-08-07	--	.02	--	413	300	26	.2	617	6.5
19N 16W16DADC1	74-10-02	--	--	389	--	310	--	.2	606	7.1
	75-06-18	--	.04	--	397	290	18	.2	606	7.6
19N 16W35ABAA1	74-10-01	--	--	577	--	390	--	.4	829	7.0
	75-06-18	--	.04	--	477	330	61	.4	714	--
WASHINGTON COUNTY										
18N 9E 1DC 1	74-10-16	--	.02	--	575	420	41	1.0	922	7.3
YORK COUNTY										
9N 4W 6AC 1	75-02-25	--	.24	--	330	220	20	.7	528	6.9
11N 2W31CA 1	75-02-25	--	.40	--	382	240	0	1.0	603	6.9
12N 1W11BC 2	75-02-24	--	.26	--	385	270	0	.7	603	6.8

LOCAL IDENT- I- FIER	DATE OF SAMPLE	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)	DIS- SOLVED ARSENIC (AS) (UG/L) (01000)	DIS- SOLVED BARIUM (BA) (UG/L) (01005)	DIS- SOLVED BERYL- LIUM (BE) (UG/L) (01010)	DIS- SOLVED BORON (B) (UG/L) (01020)	DIS- SOLVED CAD- MIUM (CD) (UG/L) (01025)	DIS- SOLVED CHRO- MIUM (CR) (UG/L) (01030)	DIS- SOLVED COBALT (CO) (UG/L) (01035)
VALLEY COUNTY										
17N 13W 4ABAA1	75-06-17	1	--	--	--	--	70	--	--	--
17N 13W 8DD 1	75-08-07	10	--	--	--	--	40	--	--	--
17N 14W 6BCD 1	75-08-07	10	--	--	--	--	60	--	--	--
18N 13W12ACDA1	75-06-17	4	--	--	--	--	40	--	--	--
18N 13W25CCCB1	74-10-02	--	--	--	--	--	--	--	--	--
18N 13W33BC 1	75-06-18	1	--	--	--	--	70	--	--	--
18N 14W22DADD1	75-06-18	0	--	--	--	--	60	--	--	--
18N 15W 8AABC1	74-10-01	--	--	--	--	--	--	--	--	--
	75-06-18	0	--	--	--	--	60	--	--	--
18N 15W13ADDC1	75-06-18	0	--	--	--	--	60	--	--	--
18N 16W 1ADDA1	74-10-01	--	--	--	--	--	--	--	--	--
19N 14W22AACC1	74-10-02	--	--	--	--	--	--	--	--	--
19N 15W 6DCCD1	74-10-01	--	--	--	--	--	--	--	--	--
19N 15W16CBBC1	74-10-01	--	--	--	--	--	--	--	--	--
19N 15W19BBDB1	74-10-01	--	--	--	--	--	--	--	--	--
	75-06-18	1	--	--	--	--	60	--	--	--
19N 15W20DDBB1	74-10-01	--	--	--	--	--	--	--	--	--
19N 16W 7BADA1	74-10-02	--	--	--	--	--	--	--	--	--
19N 16W11DADB1	74-10-01	--	--	--	--	--	--	--	--	--
19N 16W13DB 1	75-08-07	3	--	--	--	--	30	--	--	--
19N 16W16DADC1	74-10-02	--	--	--	--	--	--	--	--	--
	75-06-18	0	--	--	--	--	40	--	--	--
19N 16W35ABAA1	74-10-01	--	--	--	--	--	--	--	--	--
	75-06-18	0	--	--	--	--	90	--	--	--
WASHINGTON COUNTY										
18N 9E 1DC 1	74-10-16	0	--	--	--	--	140	--	--	--
YORK COUNTY										
9N 4W 6AC 1	75-02-25	10	--	--	--	--	40	--	--	--
11N 2W31CA 1	75-02-25	3	--	--	--	--	30	--	--	--
12N 1W11BC 2	75-02-24	10	--	--	--	--	40	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED COPPER (CU) (UG/L) (01040)	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED LITHIUM (LI) (UG/L) (01130)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L) (01060)	DIS- SOLVED NICKEL (NI) (UG/L) (01065)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)
VALLEY COUNTY								
17N 13W 4ABAA1	75-06-17	5	--	--	--	--	--	--
17N 13W 8DD 1	75-08-07	2	--	--	--	--	--	--
17N 14W 6BCD 1	75-08-07	0	--	--	--	--	--	--
18N 13W12ACDA1	75-06-17	4	--	--	--	--	--	--
18N 13W25CCCB1	74-10-02	--	--	--	--	--	--	--
18N 13W33BC 1	75-06-18	1	--	--	--	--	--	--
18N 14W22DADD1	75-06-18	4	--	--	--	--	--	--
18N 15W 8AABC1	74-10-01	--	--	--	--	--	--	--
	75-06-18	2	--	--	--	--	--	--
18N 15W13ADDC1	75-06-18	20	--	--	--	--	--	--
18N 16W 1ADDA1	74-10-01	--	--	--	--	--	--	--
19N 14W22AACC1	74-10-02	--	--	--	--	--	--	--
19N 15W 6DCCD1	74-10-01	--	--	--	--	--	--	--
19N 15W16CBBC1	74-10-01	--	--	--	--	--	--	--
19N 15W19BBDB1	74-10-01	--	--	--	--	--	--	--
	75-06-18	8	--	--	--	--	--	--
19N 15W20DDBB1	74-10-01	--	--	--	--	--	--	--
19N 16W 7BADA1	74-10-02	--	--	--	--	--	--	--
19N 16W11DADB1	74-10-01	--	--	--	--	--	--	--
19N 16W13DB 1	75-08-07	1	--	--	--	--	--	--
19N 16W16DADC1	74-10-02	--	--	--	--	--	--	--
	75-06-18	1	--	--	--	--	--	--
19N 16W35ABAA1	74-10-01	--	--	--	--	--	--	--
	75-06-18	3	--	--	--	--	--	--
WASHINGTON COUNTY								
18N 9E 1DC 1	74-10-16	--	--	--	.0	--	--	--
YORK COUNTY								
9N 4W 6AC 1	75-02-25	8	--	--	--	--	--	--
11N 2W31CA 1	75-02-25	20	--	--	--	--	--	--
12N 1W11BC 2	75-02-24	8	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SILVER (AG) (UG/L) (01075)	DIS- SOLVED STRON- TIUM (SR) (UG/L) (01080)	DIS- SOLVED VANA- DIUM (V) (UG/L) (01085)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
VALLEY COUNTY					
17N 13W 4ABAA1	75-06-17	--	--	--	30
17N 13W 8DD 1	75-08-07	--	--	--	10
17N 14W 6BCD 1	75-08-07	--	--	--	10
18N 13W12ACDA1	75-06-17	--	--	--	40
18N 13W25CCCB1	74-10-02	--	--	--	--
18N 13W33BC 1	75-06-18	--	--	--	10
18N 14W22DADD1	75-06-18	--	--	--	10
18N 15W 8AABC1	74-10-01	--	--	--	--
	75-06-18	--	--	--	830
18N 15W13ADDC1	75-06-18	--	--	--	110
18N 16W 1ADDA1	74-10-01	--	--	--	--
19N 14W22AACC1	74-10-02	--	--	--	--
19N 15W 6DCCD1	74-10-01	--	--	--	--
19N 15W16CBBC1	74-10-01	--	--	--	--
19N 15W19BBDB1	74-10-01	--	--	--	--
	75-06-18	--	--	--	90
19N 15W20DDBB1	74-10-01	--	--	--	--
19N 16W 7BADA1	74-10-02	--	--	--	--
19N 16W11DADB1	74-10-01	--	--	--	--
19N 16W13DB 1	75-08-07	--	--	--	10
19N 16W16DADC1	74-10-02	--	--	--	--
	75-06-18	--	--	--	1300
19N 16W35ABAA1	74-10-01	--	--	--	--
	75-06-18	--	--	--	70
WASHINGTON COUNTY					
18N 9E 1DC 1	74-10-16	--	--	--	0
YORK COUNTY					
9N 4W 6AC 1	75-02-25	--	--	--	20
11N 2W31CA 1	75-02-25	--	--	--	60
12N 1W11BC 2	75-02-24	--	--	--	10

SECTION 3. GROUND-WATER RECORDS

Adams County

403403098244001. Local number 7N-10W-23AB. Formerly 7-10-23ab. Henry Fricke. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 155 ft (47 m), casing perforated below water table. Lsd 1,927 ft (587 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 99.95 ft (30.46 m) below lsd, Jan. 22, 1935.
Lowest water level: 122.47 ft (37.33 m) below lsd, Aug. 20, 1975.
Records available: 1934-38,1948-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	116.95	116.20	115.74	115.38	115.08	114.81	114.57	114.30	114.27	118.38	121.37	119.33
10	116.68	116.08	115.70	115.37	115.02	114.78	114.61	114.37	114.28	119.85	118.00	117.90
15	116.50	116.03	115.65	115.40	115.00	114.73	114.50	114.29	114.22	120.47	118.91	117.56
20	116.45	116.00	115.58	115.18	114.88	114.67	114.52	114.33	114.20	120.00	122.47	117.40
25	116.41	115.92	115.52	115.19	114.99	114.78	114.42	114.37	114.13	116.04	122.45	117.33
EOM	116.24	115.82	115.49	115.19	114.87	114.70	114.45	114.24	114.31	118.26	118.67	117.17

Blaine County

414958100061501. Local number 22N-24W-33CA. Formerly 22-24-33ca. U.S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diam 1 in (3 cm), depth 13 ft (4 m), screened 11-13. Lsd 2,618 ft (798 m) above msl. MP top of casing, 1.40 ft (0.43 m) above lsd.
Highest water level: 1.04 ft (0.32 m) below lsd, Mar. 8, 1950.
Lowest water level: 6.97 ft (2.12 m) below lsd, Aug. 8, 1951.
Records available: 1934-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 8, 1974	4.93	Jan. 20, 1975	4.09	Apr. 15, 1975	3.34	July 7, 1975	4.49
Nov. 18	4.29	Feb. 10	4.08	May 5	3.71	Aug. 19	5.07
Dec. 9	4.25	Mar. 4	3.81	June 17	4.29	Sep. 9	5.26

Boone County

413323098074501. Local number 18N-7W-4CA. Formerly 18-7-4ca. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 in (3 cm), depth 22 ft (7 m), screened 20-22. Lsd 1,762 ft (537 m) above msl. MP top of casing, 2.90 ft (0.88 m) above lsd.
Highest water level: 8.57 ft (2.61 m) below lsd, May 4, 1973.
Lowest water level: 15.17 ft (4.62 m) below lsd, Oct. 26, 1940.
Records available: 1936-42,1948-75

Date	Water level	Date	Water level
Nov. 7, 1974	11.99	May 12, 1975	11.35

Box Butte County

420945102551501. Local number 25N-48W-4DDD. Formerly 25-48-4ddd1. U.S. Geol. Survey. Drilled observation water-table well in sand of Marsland Formation of Tertiary age, diam 1.25 in (3.18 cm), depth 204 ft (62 m), screened 92-98. Lsd 4,032.95 ft (1,229.24 m) above msl. MP top of 1.25 in (3.18 cm) pipe, 2.00 ft (0.61 m) above lsd.
Highest water level: 63.14 ft (19.25 m) below lsd, Jan. 25, 1950.
Lowest water level: 94.48 ft (28.80 m) below lsd, Oct. 28, 1975.
Records available: 1946-75

Date	Water level
Oct. 21, 1974	92.58

Brown County

423307099494501. Local number 30N-21W-19CC. Formerly 30-21-19cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 52 ft (16 m), casing perforated below water table. Lsd 2,511.44 ft (765.49 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd.
Highest water level: 34.35 ft (10.47 m) below lsd, Jan. 25, 1974.
Lowest water level: 40.96 ft (12.48 m) below lsd, Sep. 7, 1965.
Records available: 1947-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	35.19	34.96	34.99	34.99	35.14	35.23	35.35	35.44	35.62	35.78	36.49	36.72
10	35.11	34.94	34.89	34.99	35.10	35.23	35.39	35.53	35.63	35.88	36.58	36.75
15	35.10	34.94	34.92	35.10	35.18	35.29	35.39	35.53	35.67	36.00	36.65	36.71
20	35.06	34.95	34.93	35.03	35.15	35.29	35.43	35.56	35.71	36.17	36.71	36.67
25	35.05	34.96	35.00	35.05	35.22	35.33	35.42	35.58	35.70	36.29	36.68	36.64
EOM	34.97	34.94	35.04	35.13	35.21	35.36	35.47	35.61	35.72	36.39	36.68	36.60

Buffalo County

404618098504401. Local number 9N-14W-1DC. Formerly 9-14-1dc. U.S. Geol. Survey. Drilled observation water-table well of Pleistocene age, diam 8 in (20 cm), depth 38 ft (12 m), casing perforated below water table. Lsd 2,060.43 ft (628.02 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd.
Highest water level: 15.36 ft (4.68 m) below lsd, June 11, 1952.
Lowest water level: 27.22 ft (8.30 m) below lsd, Aug. 25, 1957.
Records available: 1946-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	23.80	23.38	23.22	23.11	23.05	22.99	22.90	22.80	22.75	22.54	24.47	25.97
10	23.70	23.34	23.19	23.07	23.01	22.99	22.92	22.82	22.75	22.95	24.63	25.80
15	23.62	23.34	23.17	23.11	23.03	23.00	22.89	22.80	22.71	23.50	24.81	25.60
20	23.56	23.30	23.15	23.06	23.00	22.94	22.88	22.79	22.70	24.18	24.94H	25.44
25	23.52H	23.31	23.18	23.05	23.06	23.00	22.85	22.80	.....	24.11	25.29	25.30
EOM	23.41	23.26	23.14	23.09	23.02	22.94	22.85	22.76	22.57	24.38	25.75	25.17

H Tape measurement

Buffalo County (Continued)

404345098560001. Local number 9N-14W-19DD. Formerly 9-14-19dd. Robert D. Lewis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 54 ft (16 m), casing perforated below water table. Lsd 2,102.16 ft (640.74 m) above msl. MP hole in pumpbase, 0.70 ft (0.21 m) above lsd.
Highest water level: 29.1 ft (8.87 m) below lsd, June 17, 1966.
Lowest water level: 35.20 ft (10.73 m) below lsd, Aug. 30, 1974.
Records available: 1930-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 24, 1974	32.94	Jan. 31, 1975	31.97	Apr. 24, 1975	32.25	Sep. 24, 1975	34.50
Nov. 27	32.42	Feb. 13	31.77	May 15	31.20		
Dec. 18	33.00	Mar. 19	31.52	June 25	30.94		

Butler County

411420097173001. Local number 15N-1E-27DD. Formerly A15-1-27dd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 in (13 cm), depth 210 ft (64 m), perforated 199-210. Lsd 1,618 ft (493 m) above msl. MP top of platform, at lsd.
Highest water level: 88.67 ft (27.03 m) below lsd, June 15, 1975.
Lowest water level: 108.63 ft (33.11 m) below lsd, July 23, 1961.
Records available: 1958-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	90.03	89.63	89.33	89.12	.....	.....	88.85	88.74	88.69	88.74	90.96	90.85
10	90.01	89.57	89.32	89.08	.....	.....	88.85	88.85	88.71	89.41	91.27	90.69
15	89.94	89.53	89.24	89.14	88.90	88.85	88.81	88.78	88.67	90.09	91.30	90.60
20	89.86	89.47	89.22	89.09	88.87	88.81	88.85	88.69	88.67	90.77	91.00	90.43
25	89.77	89.54	89.30	88.94	.....	88.90	88.77	88.77	88.70	90.75	90.91	90.40
EOM	89.62	89.45	89.20	88.89	.....	88.84	88.77	88.73	86.70	90.84	90.90	90.22

Chase County

403220101384001. Local number 7N-38W-28CC. Formerly 7-38-28cc. Roy Hust. Drilled unused water-table well in sand of Pleistocene age, diam 18 in (46 cm), depth 143 ft (44 m), casing perforated below water table. Lsd 3,284.6 ft (1,001.1 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd.
Highest water level: 72.82 ft (22.20 m) below lsd, June 29, 1964.
Lowest water level: 90.70 ft (27.65 m) below lsd, Oct. 21, 1975.
Records available: 1944,1948-75

Date	Water level
Oct. 10, 1974	88.40

Chase County (Continued)

403235101395501. Local number 7N-38W-29CBB. Formerly 7-38-29cbb. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5.50 in (13.97 cm), depth 230 ft (70 m), casing perforated below water table. Lsd 3,290.30 ft (1,002.88 m) above msl. MP top of casing, 0.50 ft (0.15 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd.
Highest water level: 55.87 ft (17.03 m) below lsd, July 4, 1964.
Lowest water level: 78.15 ft (23.82 m) below lsd, Aug. 31, 1975.
Records available: 1964-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	72.05	70.81	70.00	69.30	68.77	68.27	67.90	67.78	67.62	69.58	75.88	77.55
10	71.75H	70.68	69.86	69.23	68.64	68.26	67.95	68.66	67.64	71.39	76.85	78.14
15	71.60	70.50	69.77	69.28	68.64	68.17	67.77	67.70	67.52	73.13	76.72	77.89
20	71.34	70.50	69.68	68.99	68.45	68.05	67.82	67.87	67.59	74.52	77.78	76.14
25	71.23	70.27	69.56	68.92	68.52	68.16	67.72	67.82	67.41	75.33	77.60	75.76
EOM	70.97	70.18	69.52	68.95	68.39	68.01	67.79	67.62	67.53	75.10	78.15	75.25

H Tape measurement

Cherry County

423205100321501. Local number 30N-28W-36AAA. Formerly 30-28-36aaa. U.S. Geol. Survey. Bored observation water-table well in sand and peat, diam 1.25 in (3.18 cm), depth 12 ft (4 m), cased with galvanized iron. Lsd 2,897.26 ft (883.08 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd.
Highest water level: 0.00G ft (0.00 m) below lsd, Jan. 31, 1973.
Lowest water level: 1.80G ft (0.55 m) below lsd, Sep. 22, 1970.
Records available: 1961-75

Date	Water level	Date	Water level
Nov. 11, 1974	0.64	Jan. 24, 1975	0.20G

G Measurement made by another agency

Cheyenne County

410917102410001. Local number 14N-47W-26CB. Formerly 14-47-26cb. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (3 cm), depth 29 ft (9 m), screened 27-29. Lsd 3,872.8 ft (1,180.4 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd.
Highest water level: 18.32 ft (5.58 m) below lsd, Mar. 28, 1951.
Lowest water level: 23.27 ft (7.09 m) below lsd, Oct. 16, 1975.
Records available: 1940-42,1944,1947,1950-52,1954-75

Date	Water level
Oct. 29, 1974	22.28

Clay County

402940098154001. Local number 6N-8W-17BB. Formerly 6-8-17bb. Willard W. Kissinger. Drilled irrigation water-table well in sand of Pleistocene age, diam 18 in (46 cm), depth 151 ft (46 m), casing perforated below water table. Lsd 1,846 ft (563 m) above msl. MP hole in turbine base, at lsd.
Highest water level: 95.53 ft (29.12 m) below lsd, June 24, 1954.
Lowest water level: 105.95 ft (32.29 m) below lsd, Oct. 20, 1975.
Records available: 1952,1954-75

Date	Water level
Oct. 15, 1974	105.75

Colfax County

412810097054501. Local number 17N-3E-4CC. Formerly A17-3-4cc. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1.25 in (3.18 cm), depth 16 ft (5 m), screened 14-16. Lsd 1,370.58 ft (417.75 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 8.4 ft (2.56 m) below lsd, Sep. 5, 1946.
Lowest water level: 8.61 ft (2.62 m) below lsd, Oct. 22, 1975.
Records available: 1946-75

Date	Water level
Oct. 28, 1974	7.62

Custer County

413910099285001. Local number 19N-19W-2BB. Formerly 19-19-2bb. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 18 in (46 cm), depth 69 ft (21 m), casing perforated below water table. Lsd 2,361.95 ft (719.92 m) above msl. MP hole in turbine base, at lsd.
Highest water level: 11.2G ft (3.41 m) below lsd, Oct. 8, 1964.
Lowest water level: 19.41 ft (5.92 m) below lsd, Sep. 1, 1954.
Records available: 1949-55,1957-71,1973-75

Date	Water level	Date	Water level	Date	Water LEVEL
Oct. 25, 1974	10.70G	Mar. 5, 1975	11.70G	June 10, 1975	11.90G

G Measurement made by another agency

Dawes County

424100103243501. Local number 31N-52W-3DC. Formerly 31-52-3dc. T. P. Moody. Drilled observation water-table well in sand and alluvium, diam 8 in (20 cm), depth 39 ft (12 m), casing perforated below water table. Lsd 3,685 ft (1,123 m) above msl. MP edge of iron plate, 1.07 ft (0.33 m) above lsd.
Highest water level: 15.87 ft (4.84 m) below lsd, May 30, 1948.
Lowest water level: 22.28 ft (6.79 m) below lsd, Oct. 31, 1956.
Records available: 1934-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 21, 1974	18.68	Jan. 20, 1975	18.56	Apr. 21, 1975	18.21	July 21, 1975	18.44
Nov. 20	18.60	Feb. 20	18.57	May 20	17.87	Aug. 20	19.06
Dec. 20	18.98	Mar. 20	18.51	June 20	17.88	Sep. 22	19.52

Dawson County

405250099445501. Local number 10N-21W-18DDD. Formerly 10-21-18ddd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 120 ft (37 m), casing perforated below water table. Lsd 2,420.58 ft (737.79 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd.
Highest water level: 9.74 ft (2.97 m) below lsd, Oct. 24, 1965.
Lowest water level: 17.53 ft (5.34 m) below lsd, July 31, 1972.
Records available: 1964-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	16.14	16.41	16.54	16.71	16.85	16.91	17.09	17.13	16.78	15.94	16.44	15.16
10	16.15	16.44	16.57	16.74	.....	16.92	17.10	17.20	16.68	16.70	16.12	15.38
15	16.23	16.45	16.61	16.80	16.88	16.95	17.08	17.07	16.57	16.48H	16.58	15.50
20	16.30	16.50	16.63	16.76	16.87	16.96	17.11	17.15	16.45	16.74	15.21	15.61
25	16.38	16.52	16.66	16.81	16.92	17.07	17.10	17.04	16.08	17.30	15.47	15.66
EOM	16.38	16.53	16.72	16.85	16.90	17.09	17.13	16.82	15.91	.....	15.03	15.77

H Tape measurement

404850099503501. Local number 10N-22W-29AA. Formerly 10-22-29aa. U.S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diam 1 in (3 cm), depth 12 ft (4 m), screened 10-12. Lsd 2,435.14 ft (742.23 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd.
Highest water level: 1.52 ft (0.46 m) below lsd, July 12, 1947.
Lowest water level: 8.88 ft (2.71 m) below lsd, Oct. [illegible], 1972.
Records available: 1931-43,1945-55,1957-75

Date	Water level
Oct. 23, 1974	8.50

Dundy County

400155101521301. Local number 1N-40W-29BB. Formerly 1-40-29bb. U.S. Geol. Survey. Drilled observation water-table well in silt and clay, diam 8 in (20 cm), depth 21 ft (6 m), casing perforated below water table. Lsd 3,207.0 ft (977.5 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Measurement discontinued July 8, 1975; replaced by well 400155101521302, local number 1N-40W-29BB2.
Highest water level: 10.12 ft (3.08 m) below lsd, Aug. 22, 1950.
Lowest water level: Dry Aug. 15,1972.
Records available: 1946-75. Measurement discontinued July 8, 1975; replaced by well 400155101521302, local number 1N-40W29BB2.

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	18.17	17.79	17.21	16.85	16.54	16.36	16.17	16.09	16.39	16.05	.....	.....
10	.....	17.67	17.15	16.80	16.51	16.33	16.15	16.39	16.29	.....	.....	.....
15	18.22	17.56	17.08	16.76	16.46	16.29	16.13	16.38	16.18	.....	.....	.....
20	18.22	17.46	17.02	16.70	16.43	16.27	16.10	16.26	16.15	.....	.....	.....
25	18.15	17.37	16.96	16.64	16.41	16.25	16.08	16.27	15.92	.....	.....	.....
EOM	17.93	17.29	16.90	16.59	16.40	16.21	16.06	16.49	15.78	.....	.....	.....

Dundy County (Continued)

400155101521302. Local number 1N-40W-29BB2. U.S. Geological Survey. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 49 ft (15 m). Lsd, 3,205 ft (977 m) above msl. Replaces well 400155101521301, local number 1N-40W-29BB.
Highest water level: 16.45 ft (5.01 m) below lsd, June 25, 1975.
Lowest water level: 20.98H ft (6.39 m) below lsd, Sep. 16, 1974.
Records available: 1974-75. Replaces well 400155101521301, local number 1N-40W-29BB.

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	.....	18.45	17.89	17.52	17.25	17.04	16.83	16.82	.....	16.86	18.31	19.16
10	.....	18.33	17.82	17.47	17.20	17.01	16.81	17.17	.....	17.04	18.62	19.41
15	.....	18.23	17.75	17.43	17.17	16.97	16.77	16.91	16.85	17.38	18.50	19.05
20	.....	18.14	17.69	17.37	17.13	16.95	16.75	17.06	16.91	17.39	18.27	19.44
25	.....	18.05	17.64	17.32	17.10	16.94	16.72	17.29	16.45	17.72	18.63	19.43
EOM	18.58	17.97	17.57	17.29	17.09	16.89	16.70	17.04	16.45	18.01	18.87	19.54

Fillmore County

402450097434001. Local number 5N-4W-12BC. Formerly 5-4-12bc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 100 ft (30 m), perforated 80-100. Lsd 1,636 ft (499 m) above msl. MP top of casing, at lsd.
Highest water level: 73.13 ft (22.29 m) below lsd, June 15, 1957.
Lowest water level: 88.85 ft (27.08 m) below lsd, Nov. 10, 1975.
Records available: 1956-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	87.43	87.10	86.76	86.44	86.17	85.87	85.60	85.31	85.15	85.25	86.82	88.05
10	87.32	87.02	86.74	86.42	.....	85.83	85.62	85.36	85.17	85.59	87.14	88.16
15	87.35	86.97	86.70	86.46	86.07	85.78	85.53	85.28	85.08	85.93	87.44	88.21
20	87.27	86.97	86.64	86.29	85.93	85.72	85.54	85.25	85.11	86.27	87.57	88.25
25	87.23	86.92	86.62	86.27	86.03	85.80	85.43	85.27	85.06	86.44	87.74	88.24
EOM	87.10	86.83	86.57	86.26	85.93	85.71	85.43	85.18	85.07	86.59	87.87	88.21

403800097300701. Local number 8N-2W26AD. Formerly 8-2-26ad1. U.S. Geol. Survey. Drilled observation water-table well in Peorian loess of Pleistocene age, diam 8 in (20 cm), depth 40 ft (12 m), perforated 25-40. Lsd 1,610 ft (491 m) above msl. MP top of casing, at lsd.
Highest water level: 5.46 ft (1.66 m) below lsd, Feb. 20, 1974.
Lowest water level: 24.16 ft (7.36 m) below lsd, July 10, 1958.
Records available: 1956-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	12.41	12.60H	12.58	12.76	13.06	12.03H	11.38	9.10	10.15	9.86	10.67H	11.83
10	12.37	12.55	.....	12.77	12.89	12.28	11.43H	9.61	.....	10.25	10.93	11.87
15	12.58	12.60	12.72	13.10	.....	12.42	11.25	9.78	.....	10.50	10.96	11.96
20	12.57	12.70	12.77	12.98	.....	11.40	11.28	9.98	9.65	10.80	11.17	12.21
25	12.63	12.76	12.90	12.93	.....	11.56	10.67	10.36	9.09	10.60	11.47	12.32
EOM	12.49	12.70	12.97	13.14	.....	11.43	9.42	9.83	9.60	.....	11.66	12.48

H Tape measurement

Furnas County

401718099491001. Local number 4N-22W-29AD. Formerly 4-22-29ad. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1.25 in (3.18 cm), depth 23 ft (7 m), screened 21-23. Lsd 2,134 ft (650 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 5.1G ft (1.55 m) below lsd, Oct. 13, 1965.
Lowest water level: 17.69 ft (5.39 m) below lsd, Feb. 8, 1946.
Records available: 1946-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 21, 1974	9.10G	May 1, 1975	11.50G	Aug. 4, 1975	6.50G		
Dec. 2	10.00G	June 10	11.00G	Aug. 20	5.20G		
Mar. 4, 1975	11.00G	July 2	9.60G	Sep. 16	7.00G		

G Measurement made by another agency

Garden County

414413102244501. Local number 20N-44W-5DB. Formerly 20-44-5db. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand, diam 1.50 in (3.81 cm), depth 20 ft (6 m), screened 18-20. Lsd 3,798.19 ft (1,157.69 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd.
Highest water level: 6.4G ft (1.95 m) below lsd, July 5, 1967.
Lowest water level: 8.70 ft (2.65 m) below lsd, Apr. 11, 1941.
Records available: 1915,1934-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 1, 1974	7.16G	May 5, 1975	6.97G	Sep. 22, 1975	7.33G		
Jan. 7, 1975	7.09G	July 11	4.92G				

G Measurement made by another agency

Garfield County

414718099083201. Local number 21N-16W-14CB. Formerly 21-16-14cb. Frank Smolik. Drilled irrigation water-table well in gravel of Pleistocene age, diam 18 in (46 cm), depth 154 ft (47 m), casing perforated below water table. Lsd 2,174 ft (663 m) above msl. MP hole in turbine base, 2.00 ft (0.61 m) above lsd.
Highest water level: 21.62 ft (6.59 m) below lsd, Oct. 16, 1973.
Lowest water level: 24.92 ft (7.60 m) below lsd, Oct. 28, 1959.
Records available: 1950-75

Date	Water level
Nov. 6, 1974	23.62

Gosper County

403626099451401. Local number 7N-21W-6BC. Formerly 7-21-6bc. Andy Larson estate. Drilled unused water-table well in Ogallala formation of Pliocene age, diam 4 in (10 cm), depth 132 ft (40 m), casing perforated below water table. Lsd 2,466.95 ft (751.93 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd.
Highest water level: 56.70G ft (17.28 m) below lsd, Oct. 17, 1975.
Lowest water level: 117.80 ft (35.91 m) below lsd, Sep. 26, 1935.
Records available: 1934-40,1948-75

Date	Water level
Oct. 18, 1974	57.60

Hall County

405315098304301. Local number 11N-11W-25CC. Formerly 11-11-25cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 37 ft (11 m), casing perforated below water table. lsd 1,922.4 ft (585.9 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd.
Highest water level: 12.18 ft (3.71 m) below lsd, June 25, 1949.
Lowest water level: 23.99 ft (7.31 m) below lsd, Aug. 15, 1957.
Records available: 1946-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	20.02	20.00	20.01	20.03	20.02	20.02	19.95	19.91	19.83	19.26	19.78	20.57
10	20.03	20.00	20.02	19.99	20.00	20.02	19.94	19.91	19.58	19.24	19.90	20.60
15	20.02	20.00	20.02	20.02	19.98	20.01	19.95	19.90	19.50	19.37	20.05	20.75
20	20.01	20.00	20.02	20.03	19.99	19.96	19.93	19.89H	19.48	19.51	20.19H	20.79
25	20.01	20.00	20.03	20.01	20.00	19.95	19.93	19.88	19.40	19.67	20.30	20.84
EOM	20.01H	20.00	20.03	20.02	20.01	19.95	19.92	19.98	19.33	19.70	20.43	20.86

H Tape measurement

Hamilton County

404825097583301. Local number 10N-6W-26BC. Formerly 10-6-26bc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 131 ft (40 m), casing perforated below water table. lsd 1,790.5 ft (545.7 m) above msl. MP top of casing 1.50 ft (0.46 m) above lsd.
Highest water level: 84.90 ft (25.88 m) below lsd, June 20, 1956.
Lowest water level: 103.19H ft (31.45 m) below lsd, Sep. 9, 1975.
Records available: 1956-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	100.57	99.52	98.69	98.02	97.47	97.27	96.58	96.21	95.95	96.21	100.37	.....
10	100.40	99.37	98.57	97.89	97.37	.....	96.52	96.17	95.91	.....	100.98	103.18
15	100.25	99.17	98.45	97.83	97.30	96.78	96.47	96.15	95.86	.....	101.45	102.85
20	100.06	99.07	98.35	97.77	97.27	96.73	96.40	96.07	95.81	.....	101.66	102.60
25	99.88	98.96	98.26	97.65	97.27	96.68	96.34	96.07	95.78	99.96	.....	102.38
EOM	99.68	98.83	98.12	97.57	97.27	96.62	96.24	96.02	95.73	99.90	.....	.....

405514097573901. Local number 11N-6W-13CB. Formerly 11-6-13cb1. O. S. Swedberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 194 ft (59 m), casing perforated below water table. lsd 1,812.2 ft (552.4 m) above msl. MP hole in south side turbine base, at lsd.
Highest water level: 90.04 ft (27.44 m) below lsd, Sep. 29, 1934.
Lowest water level: 115.33 ft (35.15 m) below lsd, Oct. 4, 1974.
Records available: 1934-42,1944,1946-75

Date	Water level	Date	Water level
Oct. 4, 1974	115.33	May 5, 1975	110.52

Harlan County

400920099215501. Local number 2N-18W-9BCC. Formerly 2-18-9bcc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5.50 in (13.97 cm), depth 170 ft (52 m), casing perforated below table. Lsd 2,120 ft (646 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd.
Highest water level: 84.39 ft (25.72 m) below lsd, May 11, 1966.
Lowest water level: 109.96 ft (33.52 m) below lsd, Sep. 15, 1974.
Records available: 1964-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	91.05	88.41	93.31	88.01	87.66	87.35	87.25	90.37	89.03	99.27	97.34	94.59
10	90.97	88.29	89.64	87.93	87.51	87.34	89.26	87.33	87.47	99.72	101.33	92.06
15	91.05	89.94	89.40	87.97	87.58	87.32	88.82	87.12	87.04	99.88	94.82	91.99
20	90.97	90.14	89.27	87.82	87.42	87.26	87.48	87.22	86.98	100.83	97.10	90.88
25	89.06	89.02	89.46	87.75	87.54	87.53	87.19	89.10	86.86	98.15	.....	89.59
EOM	88.44	89.32	88.62	87.78	87.44	88.36	87.23	88.83	90.03	100.71	.....	89.22

400620099274001. Local number 2N-19W-28DD. Formerly 2-19-28dd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (3 cm), depth 22 ft (7 m), screened 20-22. Lsd 1,960 ft (597 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd.
Highest water level: 5.9G ft (1.80 m) below lsd, Feb. 15, 1966.
Lowest water level: 12.14 ft (3.70 m) below lsd, Sep. 13, 1955.
Records available: 1940-41,1946-66,1968-75

Date	Water level	Date	Water level
Mar. 3, 1975	9.20G	Aug. 4, 1975	9.30G

G Measurement made by another agency

Hitchcock County

401458100542201. Local number 3N-32W-11BB. Formerly 3-32-11bb. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 1.25 in (3.18 cm), depth 18 ft (5 m), screened 16-18. Lsd 2,615 ft (797 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 14.2G ft (4.33 m) below lsd, Oct. 31, 1966.
Lowest water level: 15.80G ft (4.82 m) below lsd, Aug. 3, 1970.
Records available: 1946-75

Date	Water level
Oct. 15, 1974	15.22

Holt County

421605098203001. Local number 27N-9W-34DA. Formerly 27-9-34da. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (3 cm), depth 17 ft (5 m), screened 15-17. Lsd 1,841 ft (561 m) above msl. MP top of casing, 1.10 ft (0.34 m) above lsd.
Highest water level: 2.67 ft (0.81 m) below lsd, Apr. 5, 1960.
Lowest water level: 9.90 ft (3.02 m) below lsd, Sep. 1, 1948.
Records available: 1934-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 30, 1974	8.41	Jan. 23, 1975	7.73	May 13, 1975	7.74	Aug. 5, 1975	8.52
Nov. 21	8.32	Feb. 13	7.54	June 3	6.11	Aug. 28	8.75
Dec. 11	9.19	Mar. 26	7.79	June 24	7.33	Sep. 16	8.84
Jan. 2, 1975	7.95	Apr. 22	7.44	July 15	9.18		

Holt County (Continued)

422845098370701. Local number 29N-11W-21BBB. Formerly 29-11-21bbb. Murphy. Drilled stock water-table well in sand of Pleistocene age, diam 5 in (13 cm), depth 55 ft (17 m), casing perforated below water table. Lsd 2,001.06 ft (609.92 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd.
Highest water level: 16.87 ft (5.14 m) below lsd, Jan. 14, 1948.
Lowest water level: 31.63 ft (9.64 m) below lsd, Oct. 30, 1975.
Records available: 1947-53,1955-75

Date	Water level
Nov. 5, 1974	29.09

423148098300601. Local number 30N-10W-32DAA. Formerly 30-10-32daa. William J. Murphy. Drilled observation water-table well in sand and gravel, diam 8 in (20 cm), depth 85 ft (26 m), casing perforated below water table. Lsd 1,952 ft (595 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 35.41 ft (10.79 m) below lsd, Oct. 21, 1966.
Lowest water level: 47.17 ft (14.38 m) below lsd, Jan. 15, 1976.
Records available: 1966-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	44.42	44.72	44.93	45.06	.....	45.16	45.21	45.19	45.27	45.42	46.02	46.61
10	44.47	44.76	44.96	45.07	45.13	45.17	45.21	45.21	45.30	45.49	46.14	46.69
15	44.54	44.80	45.00	.....	45.13	45.18	45.22	45.21	45.34	45.59	46.27	46.73
20	44.58	44.82	45.01	.....	45.13	45.18	45.21	45.20	45.37	45.69	46.36	46.75
25	44.63	44.85H	45.04	.....	45.15	45.19	45.20	45.22	45.36	45.80	46.42	46.78
EOM	44.69	44.88	45.05	.....	45.14	45.19	45.19	45.24	45.37	45.92	46.54	46.79

H Tape measurement

423730098560001. Local number 31N-14W-27DDD. Formerly 31-14-27ddd. Elmer Goldfuss. Drilled observation water-table well in sand and gravel, diam 8 in (20 cm), depth 72 ft (22 m), casing perforated below water table. Lsd 2,080 ft (634 m) above msl. MP top of casing, at lsd.
Highest water level: 30.91 ft (9.42 m) below lsd, July 7, 1966.
Lowest water level: 41.40 ft (12.62 m) below lsd, Sep. 10, 1975.
Records available: 1966-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	39.10	38.48	38.05	37.77	37.51	37.31	37.09	36.91	37.46	37.70	39.98	41.31
10	38.96	38.40	38.00	37.71	37.46	37.27H	37.08	37.05	37.51	38.01	40.33	41.40
15	38.87	38.34	37.90	37.68	37.44	37.23	37.04	37.04	37.52	38.37	40.69	41.38
20	38.77	38.26	37.88	37.65	37.40	37.19	37.02	37.12	37.53	38.83	40.82	41.30
25	38.67	38.20	37.86	37.60	37.37	37.17	36.98	37.35	37.48	39.15	40.94H	41.20
EOM	38.56	38.13	37.81	37.56	37.35	37.14	36.96	37.37	37.44	39.60	41.18	41.10

H Tape measurement

Kearney County

403053098581501. Local number 6N-15W-1CB. Formerly 6-15-1cb. Roy Youngson. Drilled irrigation water-table well in gravel, diam 18 in (46 cm), depth 176 ft (54 m), casing perforated below water table. Lsd 2,171.80 ft (661.96 m) above msl. MP hole in turbine base, 1.00 ft (0.30 m) above lsd.
Highest water level: 44.85 ft (13.67 m) below lsd, Oct. 16, 1974.
Lowest water level: 71.36 ft (21.75 m) below lsd, June 29, 1948.
Records available: 1948-75

Date	Water level
Oct. 16, 1974	44.85

402625098594501. Local number 6N-15W-34DC. Conservation and Survey Division, University of Nebraska. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 210 ft (64 m), cased with steel, perforated 190-210. Lsd 2,210 ft (674 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 79.46 ft (24.22 m) below lsd, June 15, 1974.
Lowest water level: 110.31 ft (33.62 m) below lsd, July 31, 1975.
Records available: 1968-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	84.12	83.00	82.09	81.56	81.23	80.60	80.30	79.83	79.66	98.76	87.39	91.09
10	83.87	82.79	82.07	81.27	80.87	80.59	80.52	80.91	79.78H	107.60	102.62	85.71
15	84.02	82.80	81.96	81.73	81.04	80.61	80.22	80.17	79.50	103.89	98.06	84.92
20	83.54	82.74	81.94	81.55	80.80	80.43	80.34	80.22	79.57	100.61	98.84	84.33
25	83.49	82.83	82.15	81.17	80.98	80.73	80.11	79.96	79.55	84.94	107.82	84.02
EOM	82.96	82.59	81.97	81.43	80.81	80.34	80.15	79.76	79.60	110.31	97.40	83.66

H Tape measurement

Kimball County

411600103393501. Local number 15N-55W-17CC. Formerly 15-55-17cc. Kimball Irrigation District. Drilled unused water-table well in gravel, diam 4 in (10 cm), depth 114 ft (35 m), casing perforated below water table. Lsd 4,739.6 ft (1,444.6 m) above msl. MP top of casing, 0.84 ft (0.26 m) above lsd.
Highest water level: 92.18 ft (28.10 m) below lsd, Jan. 2, 1936.
Lowest water level: 100.95 ft (30.77 m) below lsd, Oct. 29, 1963.
Records available: 1935-42,1950-75

Date	Water level
Oct. 28, 1974	98.28

Lancaster County

403643096433001. Local number 8N-6E-34DD. Formerly AP-6-34dd. U.S. Geol. Survey. Drilled observation water-table well in sand, diam 8 in (20 cm), depth 53 ft (16 m), casing perforated below water table. Lsd 1,285 ft (392 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 3.41 ft (1.04 m) below lsd, Apr. 5, 1960.
Lowest water level: 8.90 ft (2.71 m) below lsd, July 31, 1954.
Records available: 1954-75

Date	Water level
Oct. 22, 1974	8.13

Lancaster County (Continued)

403929096401001. Local number 8N-7E-18DDB. Formerly A8-7-18ddb. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 8 in (20 cm), depth 41 ft (12 m), perforated 36-41. Lsd 1,215 ft (370 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd.
Highest water level: 1.63 ft (0.50 m) below lsd, Aug. 25, 1954.
Lowest water level: 12.55 ft (3.83 m) below lsd, June 20, 1956.
Records available: 1954-75

Date	Water level
Oct. 22, 1974	11.14

403833096385501. Local number 8N-7W-20DDA. Formerly A8-7-20dda. U.S. Geol. Survey. Drilled observation water-table well in sand, diam 8 in (20 cm), depth 33 ft (10 m), casing perforated below water table. Lsd 1,243 ft (379 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 0.16 ft (0.05 m) above lsd, Mar. 27, 1960.
Lowest water level: 11.55 ft (3.52 m) below lsd, Mar. 20, 1957.
Records available: 1954-75

Date	Water level
Oct. 22, 1974	5.91

404730096440401. Local number 10N-6E-34CA. Formerly A10-6-34ca. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 36 ft (11 m), casing perforated below water table. Lsd 1,149 ft (350 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd.
Highest water level: 9.20 ft (2.80 m) below lsd, Oct. 15, 1973.
Lowest water level: 18.53 ft (5.65 m) below lsd, Feb. 20, 1957.
Records available: 1951-75

Date	Water level
Oct. 22, 1974	15.20

404706096413001. Local number 10N-6E-36CDD. Formerly A10-6-36cdd. City of Lincoln. Drilled unused water-table well in Dakota sandstone of early Cretaceous age, diam 16 in (41 cm), depth 170 ft (52 m), casing perforated below table. Lsd 1,200 ft (366 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 52.88H ft (16.12 m) below lsd, Feb. 10, 1975.
Lowest water level: 71.19 ft (21.70 m) below lsd, Sep. 5, 1956.
Records available: 1951-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	53.66	53.74	53.40	53.37	.....	53.27	53.34	53.00	53.12	53.00	53.35	53.50
10	53.53	53.55	53.48	53.30	52.88H	53.30	53.44	53.32	53.23	53.19	53.32	53.38
15	53.78	53.63	53.50	.....	.....	53.33	53.29	53.17	53.07	53.18	53.37	53.40
20	53.77	53.71	53.47	.....	.....	53.20	53.45	53.03	53.18	53.30	53.33	53.53
25	53.78	53.80	53.65	.....	53.43	53.66	53.20	53.23	53.17	53.33	53.44	53.54
EOM	53.51	53.65	53.70	.....	53.67	53.43	53.27	53.17	53.16	53.30	53.35	53.55

H Tape measurement

Lancaster County (Continued)

405405096455501. Local number 11N-6E-20DC. Formerly A11-6-20dc. U.S. Geol. Survey. Drilled observation water-table well in sand and alluvium, diam 8 in (20 cm), depth 30 ft (9 m), casing perforated below water table. Lsd 1,189 ft (362 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd.
Highest water level: 11.69 ft (3.56 m) below lsd, Oct. 8, 1963.
Lowest water level: 17.53 ft (5.34 m) below lsd, Jan. 5, 1957.
Records available: 1951-75

Date	Water level
Nov. 4, 1974	15.38

Merrick County

410143098090301. Local number 12N-7W-7AA. Formerly 12-7-7aa. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1.25 in (3.18 cm), depth 13 ft (4 m), screened 11-13. Lsd 1,762.16 ft (537.11 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 3.84 ft (1.17 m) below lsd, Feb. 14, 1974.
Lowest water level: 10.26G ft (3.13 m) below lsd, Nov. 5, 1956.
Records available: 1945-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1974	8.91	Jan. 28, 1975	9.05	Apr. 22, 1975	8.53	July 14, 1975	7.30
Nov. 28	9.10	Feb. 14	9.10	May 22	8.30	Aug. 21	7.89
Dec. 19	8.60	Mar. 17	8.71	June 26	7.31	Sep. 25	9.47

405755098111301. Local number 12N-8W-36BC. Formerly 12-8-36bc1. U.S. Geol. Survey. Jetted observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 8 ft (2 m), perforated 5-8. Lsd 1,785.38 ft (544.18 m) above msl. MP top of casing, 1.00 ft (0.30 m) below lsd.
Highest water level: 1.02 ft (0.31 m) below lsd, June 13, 1967.
Lowest water level: 6.07 ft (1.85 m) below lsd, July 31, 1974.
Records available: 1958-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	5.54	5.15	4.87	.....	3.98	3.38	3.83	4.07	4.98	4.44	.....	5.66
10	5.52	5.07	4.84	.....	4.14	3.52	3.55	4.40	3.62	4.87	.....	5.69
15	5.47	5.03	.....	.....	4.20	3.59	3.46	4.47	3.31	5.08	.....	5.67
20	5.42	4.97	4.70	.....	4.17	3.52	3.44	4.76	3.13	5.23	.....	5.67
25	5.38	4.92	4.62	.....	4.05	3.78	3.60	4.86	3.38	4.96	5.74	5.63H
EOM	5.24	4.89	4.54	3.79	3.16	3.80	3.75	4.82	3.97	5.32	5.71	5.60

H Tape measurement

Morrill County

414107103054501. Local number 20N-50W-28BB. Formerly 20-50-28bb. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 1.25 in (3.18 cm), depth 35 ft (11 m), screened 33-35. Lsd 3,675 ft (1,120 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd.
Highest water level: 11.87 ft (3.62 m) below lsd, Sep. 7, 1951.
Lowest water level: 17.33 ft (5.28 m) below lsd, Oct. 26, 1954.
Records available: 1934-42,1944-75

Date	Water level
Oct. 18, 1974	13.12

Nuckolls County

400240098111301. Local number 1N-8W-23AB. Formerly 1-8-23ab. U.S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diam 8 in (20 cm), depth 18 ft (5 m), casing perforated below water table. Lsd 1,598.15 ft (487.12 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd.
Highest water level: .02 ft (0.01 m) below lsd, July 29, 1951.
Lowest water level: Dry May 5,1970.
Records available: 1950-68,1970-75

Date	Water level	Date	Water level
Oct. 15, 1974	5.80	May 12, 1975	5.50

Phelps County

403123099261501. Local number 6N-19W-2AA. Formerly 6-19-2aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diam 1 in (3 cm), depth 151 ft (46 m), screened 149-151. Lsd 2,360.81 ft (719.57 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd.
Highest water level: 48.80 ft (14.87 m) below lsd, Oct. 21, 1975.
Lowest water level: 123.70 ft (37.70 m) below lsd, Mar. 9, 1945.
Records available: 1945-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 17, 1974	49.20	Mar. 7, 1975	50.18	July 2, 1975	49.02		
Jan. 13, 1975	49.80	May 2	50.94	Sep. 4	53.15		

Platte County

412955097192001. Local number 18N-1E-28CD. Formerly A18-1-28cd. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diam 2 in (5 cm), depth 99 ft (30 m), screened 97-99. Lsd 1,511.9 ft (460.8 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd.
Highest water level: 70.0 ft (21.34 m) below lsd, Nov. 13, 1935.
Lowest water level: 72.81 ft (22.19 m) below lsd, Oct. 9, 1958.
Records available: 1935-40,1942-53,1956-75

Date	Water level
Oct. 16, 1974	67.18

Red Willow County

401015100353701. Local number 2N-29W-4AD. Formerly 2-29-4ad. Rex S. Haberman. Drilled unused water-table well in sand of Pleistocene age, diam 26 in (66 cm), depth 40 ft (12 m), casing perforated below water table. Lsd 2,481 ft (756 m) above msl. MP top of casing, 3.00 ft (0.91 m) below lsd.
Highest water level: 24.6G ft (7.50 m) below lsd, Oct. 9, 1965.
Lowest water level: 37.10 ft (11.31 m) below lsd, July 11, 1953.
Records available: 1950-75

Date	Water level
Oct. 15, 1974	8.32

G Measurement made by another agency

Saline County

403855097072501. Local number 8N-3E-19ADA. Formerly A8-3-19ada. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 in (13 cm), depth 151 ft (46 m), perforated 142-151. Lsd 1,496 ft (456 m) above msl. MP top of casing, at lsd.
Highest water level: 96.56 ft (29.43 m) below lsd, Mar. 16, 1963.
Lowest water level: 103.98H ft (31.69 m) below lsd, Aug. 24, 1971.
Records available: 1959-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	102.22	101.84H	101.05	100.83	100.69	100.17	100.12	99.56	99.59	100.10	102.18	103.44
10	102.04	101.57	101.18	100.70	100.22	100.21	100.40	100.18	99.77	101.22	102.77	103.00
15	102.29	101.70	101.22	101.29	100.63	100.33	100.05	99.81	99.48	101.50	102.93	102.83
20	102.09	101.79	101.23	100.97	100.32	100.14	100.44	99.58	99.71	102.18	103.13	102.93
25	102.03	101.96	101.47	100.65	100.73	100.87	99.96	99.86	99.54	101.79	103.59	102.82
EOM	101.70	101.54	101.30	101.10	100.40	100.30	100.19	99.71	99.54	102.02	103.32	102.69

H Tape measurement

Saunders County

410426096220401. Local number 13N-9E-24CC. Formerly A13-9-24cc. City of Lincoln. Drilled observation water-table well in sand of Pleistocene age, diam 1.25 in (3.18 cm), depth 12 ft (4 m), screened 10-12. Lsd 1,065.22 ft (324.68 m) above msl. MP top of casing, 4.50 ft (1.37 m) above lsd.
Highest water level: 0.48 ft (0.15 m) below lsd, July 31, 1948.
Lowest water level: 9.54 ft (2.91 m) below lsd, Oct. 25, 1971.
Records available: 1933-75

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25, 1974	8.46	Jan. 25, 1975	7.55	May 25, 1975	5.53	Sep. 25, 1975	8.85
Nov. 1	8.40	Feb. 25	7.22	June 25	5.85		
Nov. 25	8.35	Mar. 25	7.22	July 25	6.77		
Dec. 25	7.86	Apr. 25	5.46	Aug. 25	8.36		

411005096281502. Local number 14N-8E-24ACD2. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 80 ft (24 m), plastic pipe slotted 60-80. Lsd 1,171 ft (357 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd.
Highest water level: 42.47 ft (12.94 m) below lsd, May 5, 1974.
Lowest water level: 44.31 ft (13.51 m) below lsd, Sep. 20, 1972.
Records available: 1971-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	43.11	42.88	42.73	42.69	42.68	42.59	42.52	42.51	.....	42.60	43.07	43.26
10	42.96	42.82	42.73	42.65	42.62	42.57	42.54	.....	.....	42.71	43.10	43.23
15	42.98	42.84	42.72	42.78	42.65	42.58	42.53	.....	42.66	42.79	43.14	43.22
20	42.95	42.83	42.71	42.72	42.61	42.56	42.57	.....	42.64	42.89	43.17	43.21
25	42.93	42.84	42.77	42.67	42.64	42.65	42.52	.....	42.63	42.96	43.23	43.21
EOM	42.85	42.80	42.75	42.76	42.59	42.56	42.52	.....	42.61	43.00	43.24	43.17

Scotts Bluff County

415325103392801. Local number 22N-55W-11DDC. Formerly 22-55-11ddc. U.S. Geol. Survey. Bored observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 32 ft (10 m), cased with galvanized iron. Lsd 3,953 ft (1,205 m) above msl. MP top of casing, at lsd.
Highest water level: 23.05 ft (7.03 m) below lsd, Sep. 25, 1974.
Lowest water level: 26.55 ft (8.09 m) below lsd, May 30, 1963.
Records available: 1962-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	23.47	24.41	.....	25.05	25.29	25.45	25.61	25.73	25.87	25.81	25.15	24.30
10	23.65	24.50	.....	25.10	25.34	25.48	25.63	25.77	25.91	25.60	24.75	24.13
15	23.85	24.57	.....	25.16	25.35	25.50	25.65	25.80	25.92	25.63	24.71	23.87
20	24.00	24.62	24.88H	25.18	25.38	25.53	25.65	25.83	25.70	25.57	24.65	23.94
25	24.17	24.68	24.91	25.22	25.40	25.56	25.69	25.83	25.75	25.41	24.20	23.73
EOM	24.31	.....	25.01	25.27	25.42	25.58	25.70	25.86	25.83	25.09	24.30	23.78

H Tape measurement

420000103511501. Local number 23N-56W-6AA. Formerly 23-56-6aa. Carl Gompert. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in (46 cm), depth 118 ft (36 m), casing perforated below water table. Lsd 4,087.7 ft (1,245.9 m) above msl. MP hole in turbine base, 0.70 ft (0.21 m) above Lsd.
Highest water level: 29.24 ft (8.91 m) below lsd, Oct. 26, 1949.
Lowest water level: 41.04 ft (12.51 m) below lsd, Oct. 6, 1961.
Records available: 1948-75

Date	Water level
Oct. 17, 1974	35.17

Seward County

405406097115001. Local number 11N-2E-21DD. Formerly A11-2-21dd. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5 in (13 cm), depth 123 ft (37 m), perforated 112-123. Lsd 1,550 ft (472 m) above msl. MP top of casing, at lsd.
Highest water level: 76.37 ft (23.28 m) below lsd, Dec. 20, 1965.
Lowest water level: 87.73 ft (26.74 m) below lsd, July 31, 1974.
Records available: 1958-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	85.67	85.10	84.24	83.85	.....	83.03H	83.13	82.60	82.51	83.43	87.10	87.56
10	85.43	84.76	84.27	83.60	82.96H	83.21	83.35	83.13	82.69	84.38	87.55	87.14
15	85.62	84.84	84.21	.....	.....	.....	83.09	82.86	82.43	84.96	87.37	87.10
20	85.42	84.85	84.20	.....	.....	83.02	83.28	82.52	82.64	86.24	87.30	87.10
25	85.35	85.03	84.43	.....	.....	83.55	82.92	82.77	82.60	86.03	87.64	86.85
EOM	84.82	84.70	84.37	.....	.....	83.24	83.09	82.64	82.57	86.89	87.50	.....

H Tape measurement

Sheridan County

420341102171701. Local number 24N-43W-15AC. Formerly 24-43-15ac. U.S. Geol. Survey. Jetted observation water-table well in fine sand of Pleistocene age, diam .75 in (1.91 cm), depth 17 ft (5 m), perforated 16-17. Lsd 3,912 ft (1,192 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd.
Highest water level: 8.15 ft (2.48 m) below lsd, Sep. 4, 1958.
Lowest water level: 10.85 ft (3.31 m) below lsd, Oct. 20, 1972.
Records available: 1958-75

Date	Water level
Oct. 22, 1974	10.17

423034102415001. Local number 29N-46W-10AA. Formerly 29-46-10aa. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 100 ft (30 m), casing perforated below water table. Lsd 3,796 ft (1,157 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd.
Highest water level: 32.47 ft (9.90 m) below lsd, Aug. 25, 1969.
Lowest water level: 38.95 ft (11.87 m) below lsd, May 29, 1954.
Records available: 1953-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	33.23	33.44	33.36	33.36	33.48	33.53	33.68	33.56	33.86	34.15	34.17	34.15
10	33.17	33.43	33.37	33.33	33.37	33.56	33.78	33.75	33.91	34.28	34.19	34.09
15	33.24	33.39	33.37	33.48	33.50	33.62	33.65	33.73	33.88	33.97	34.10	34.02
20	33.27	33.40	33.37	33.40	33.42	33.64	33.69	33.73	33.95	34.23	34.16	34.05
25	33.40	33.39	33.43	33.38	33.57	33.72	33.62	33.79	34.06	34.24	34.15	34.04
EOM	33.36	33.42	33.46	33.49	33.53	33.63	33.66	33.80	34.08	34.03	34.15	34.06

Thomas County

415845100334001. Local number 23N-28W-9DA. Formerly 23-28-9da. U.S. Geol. Survey. Driven observation water-table well in fine sand and alluvium, diam 1.25 in (3.18 cm), depth 15 ft (5 m), screened 13-15. Lsd 2,842 ft (866 m) above msl. MP Top of casing, 2.30 ft (0.70 m) above lsd.
Highest water level: 8.73 ft (2.66 m) below lsd, Oct. 16, 1970.
Lowest water level: 10.98 ft (3.35 m) below lsd, July 23, 1940.
Records available: 1934-40,1942,1944-50,1953-75

Date	Water level
Oct. 30, 1974	10.14

Valley County

412955099123201. Local number 18N-16W-30CC. Formerly 18-16-30cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam .75 in (1.91 cm), depth 14 ft (4 m), screened 12-14. Lsd 2,217.61 ft (675.93 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd.
Highest water level: 1.12G ft (0.34 m) below lsd, July 23, 1962.
Lowest water level: 5.90G ft (1.80 m) below lsd, Mar. 1, 1973.
Records available: 1949-56,1958-75

Date	Water level
Nov. 4, 1974	3.71

Webster County

400423098314001. Local number 1N-11W-11AB. Formerly 1-11-11ab. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 8 in (20 cm), depth 17 ft (5 m), casing perforated below water table. Lsd 1,686 ft (514 m) above msl. MP south side of casing, 1.10 ft (0.34 m) above lsd.
Highest water level: 1.34 ft (0.41 m) below lsd, July 11, 1951.
Lowest water level: 10.56 ft (3.22 m) below lsd, Apr. 5, 1957.
Records available: 1946-75

Date	Water level	Date	Water level
Oct. 15, 1974	8.35	May 12, 1975	7.15

York County

404620097482501. Local number 9N-4W-6DD. Formerly 9-4-6dd. Gustav Thieszen. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 18 in (46 cm), depth 171 ft (52 m), perforated 83-171. Lsd 1,718 ft (524 m) above msl. MP top of casing, at lsd.
Highest water level: 79.44 ft (24.21 m) below lsd, June 20, 1959.
Lowest water level: 92.88 ft (28.31 m) below lsd, Aug. 31, 1975.
Records available: 1959-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	90.11	89.38	88.70	88.20	87.83	87.48	87.11	86.71	86.55	86.85	90.40	92.66
10	89.79	89.20	88.64	.....	87.82	87.43	87.15	86.76	86.57	87.67	90.85	92.27
15	89.83	89.10	88.61	88.26	87.72	87.37	87.00	86.68	86.44	88.28	91.47	.....
20	89.68	89.15	88.52	88.00	87.50	87.30	87.05	86.70	86.42	88.99	91.77	.....
25	89.63	88.98	88.42	88.07	87.70	87.45	86.88	86.72	86.32	88.82	92.23	.....
EOM	89.40	88.83	88.25	88.78	87.53	87.32	86.93	86.58	86.32	89.72	92.88	91.60

405305097351503. Local number 11N-2W-31BA3. York County Ground Water Conservation District. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 165 ft (50 m), cased with steel. Lsd 1,659 ft (506 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd.
Highest water level: 88.65 ft (27.02 m) below lsd, Apr. 20, 1970.
Lowest water level: 120.81 ft (36.82 m) below lsd, July 15, 1974.
Records available: 1969-75

Lowest water level for the day, from recorder graph, water year 1975

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
05	96.74	95.19	95.04	93.80	93.60	93.11	.....	94.41	92.10	105.60	110.22H	101.40
10	96.82	95.30	94.44	93.99	93.43	92.66	93.12	94.30	92.48	115.06	110.82	99.80
15	96.17	95.27	94.39	94.16	93.62	93.08	94.08	94.53	92.45	113.50	107.75	98.77
20	95.80	95.20	94.76	93.80	93.44	93.18	93.77	95.56	94.20	118.45	107.35	98.88
25	96.31	94.95	94.36	93.71	93.47	93.18	93.85	95.19	93.65	.....	105.53	98.73
EOM	95.55	94.89	93.99	93.90	93.49	.....	93.34	93.01	96.57	.....	104.44	97.90

H Tape measurement

York County (Continued)

405305097361001. Local number 11N-3W-36AB. Formerly 11-3-36ab. Mother Jewels Home. Drilled irrigation water-table well in sand of Pleistocene age, diam 12 in (30 cm), depth 175 ft (53 m), casing perforated below water table. Lsd 1,648 ft (502 m) above msl. MP hole in turbine base, at lsd.
Highest water level: 65.82 ft (20.06 m) below lsd, Sep. 11, 1952.
Lowest water level: 80.68 ft (24.59 m) below lsd, Oct. 30, 1975.
Records available: 1948-61,1963-75

Date	Water level
Oct. 10, 1974	80.02

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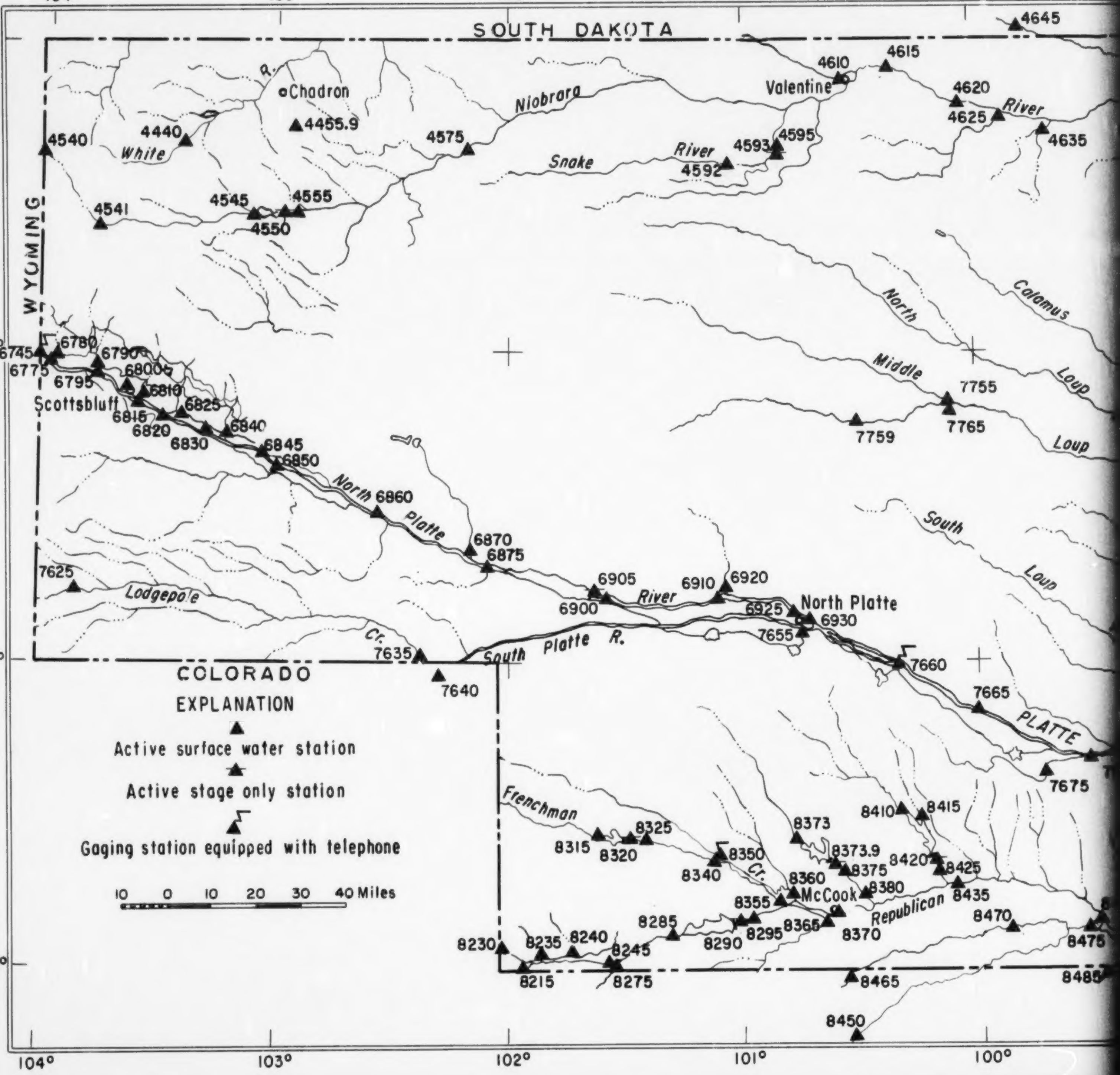
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SOUTH DAKOTA
WYOMING
COLORADO
Chadron
Valentine
Scottsbluff
North Platte
McCook
White
R.
Niobrara
River
Snake
River
North
Middle
Loup
Calamus
Loup
Loup
South
Loup
North
Platte
River
South
Platte
R.
PLATTE
Lodgepole
Cr.
Frenchman
Cr.
Republican
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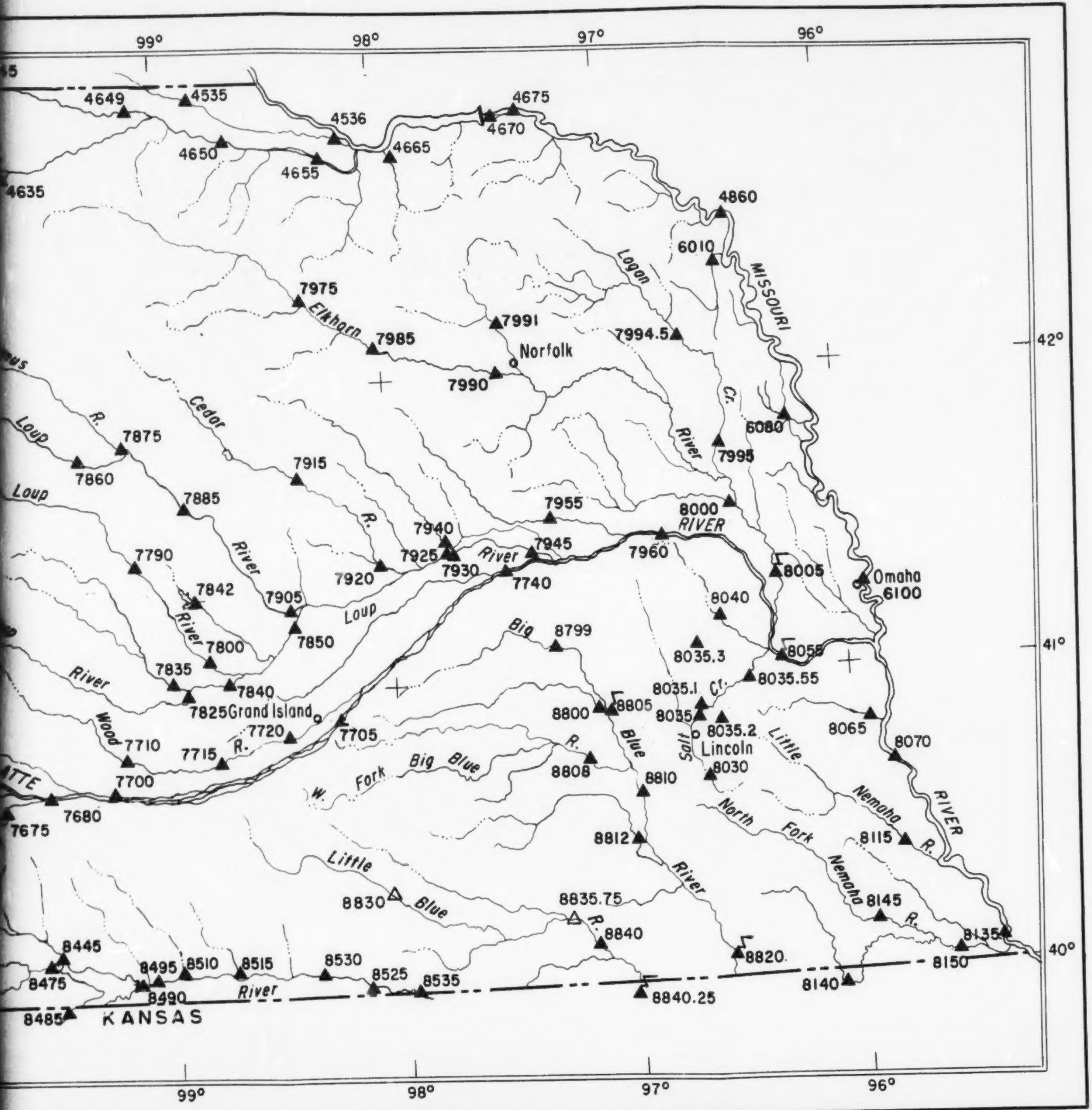
8485
EXPLANATION
Active surface water station
Active stage only station
Gaging station equipped with telephone
10 0 10 20 30 40 Miles

Figure 3.--Map of Nebraska showing locati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MISSOURI
Logan
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Elkhorn
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7991
Norfolk
7990
7994.5
Cr.
Loup
R.
7875
7860
Cedar
6080
River
7995
7915
Loup
7885
R.
7955
8000
RIVER
7940
7925
7930
7945
River
7960
7790
River
7920
7740
8005
Omaha
6100
7842
7905
Loup
8040
River
7850
Big
8799
7800
8035.3
8055
River
7835
7840
8035.1
Cr.
8035.55
7825
Grand Island
8800
8805
8035
8035.2
8065
Wood
7720
7705
Salt
Lincoln
Little
7710
7715
R.
R.
Blue
8070
W. Fork Big Blue
8808
8030
ATTE
7700
8810
Nemaha
7680
7675
North Fork
8812
8115
R.
RIVER
Little
River
Nemaha
8830
Blue
8835.75
8145
R.
8840
R.
8135
8445
8150
8495
8510
8515
8530
8820
8475
8525
8535
8140
8490
River
8840.25
8485
KANSAS
99°
98°
97°
96°

location of complete-record stations.

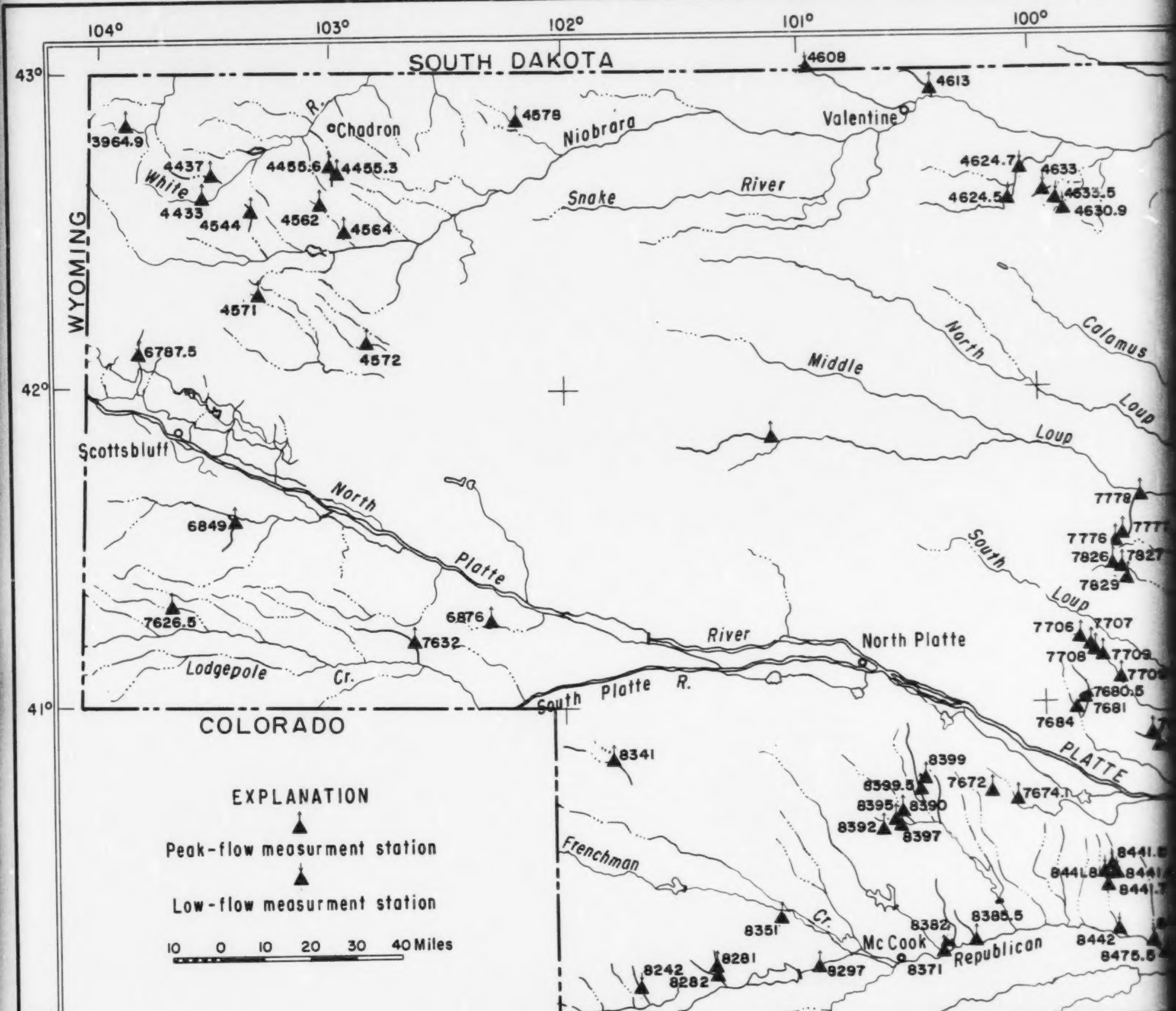
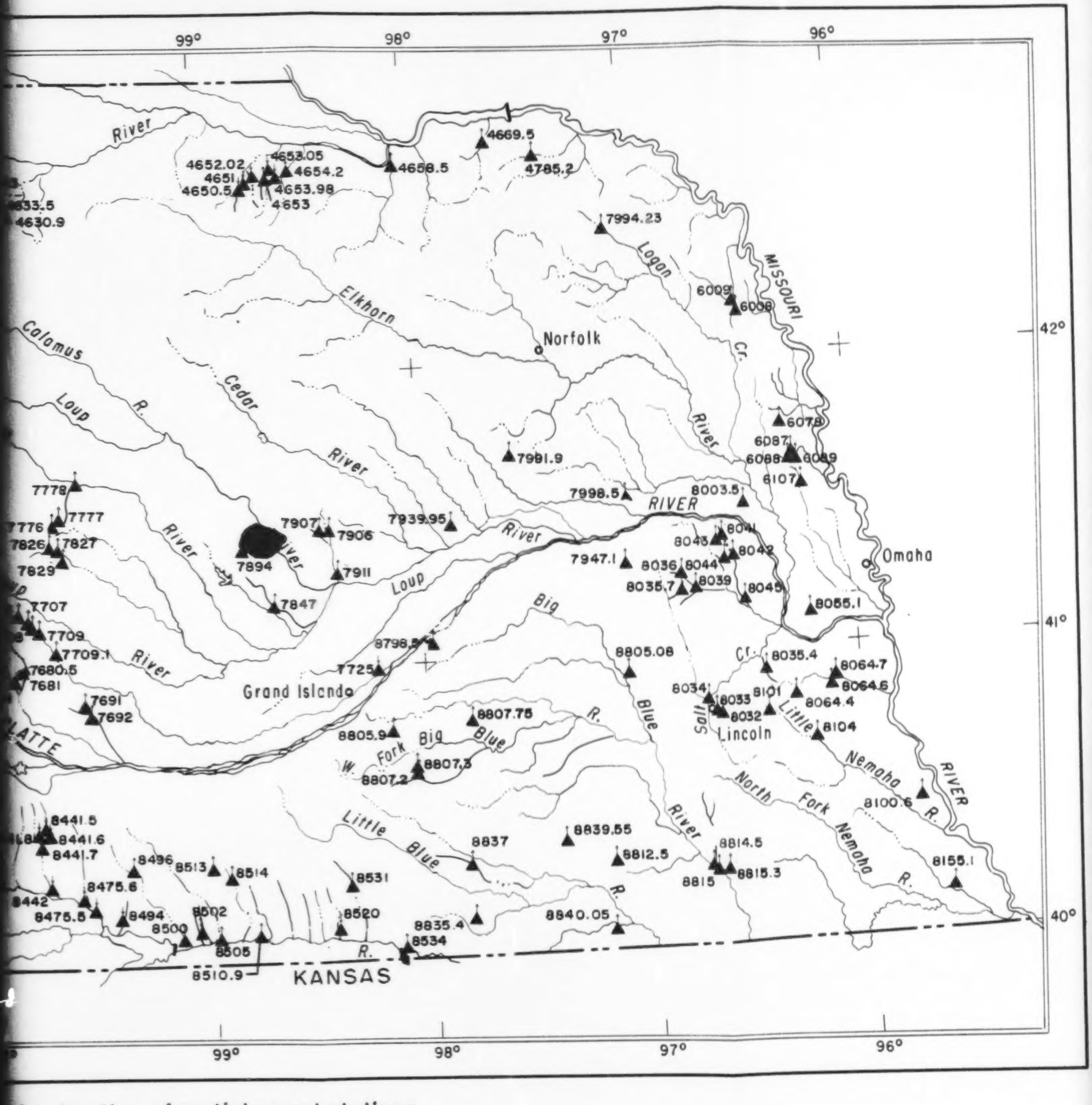

104°
103°
102°
101°
100°
43°
42°
41°
40°
SOUTH DAKOTA
WYOMING
COLORADO
Chadron
Valentine
Scottsbluff
North Platte
Mc Cook
White
R.
Niobrara
Snake
River
Middle
North
Calamus
Loup
South
North
Platte
River
South Platte R.
PLATTE
Lodgepole
Cr.
Frenchman
Cr.
Republican
3964.9
4437
4433
4544
4455.6
4455.3
4562
4564
4571
4572
4578
4608
4613
4624.7
4624.5
4633
4633.5
4630.9
6787.5
6849
7626.5
7632
6876
7778
7776
7826
7827
7829
7706
7707
7708
7680.5
7681
7684
8341
8399
8399.5
8395
8390
8392
8397
7672
7674.1
8351
8382
8385.5
8371
8242
8281
8282
8297
8442
8475.5
EXPLANATION
Peak-flow measurment station
Low-flow measurment station
10 0 10 20 30 40 Miles

Figure 4.--Map of Nebraska showing loca


99°
98°
97°
96°
42°
41°
40°
River
4669.5
4785.2
4652.02
4653.05
4651
4654.2
4650.5
4653.98
4653
4658.5
4633.5
4630.9
7994.23
Logan
MISSOURI
6009
6008
Elkhorn
Norfolk
Calamus
Cedar
Loup
R.
Cr.
River
6078
6087
6088
6089
6107
7991.9
7998.5
8003.5
RIVER
7778
7777
7776
7826
7827
7829
7907
7906
7939.95
7894
7911
7847
7947.1
8043
8041
8042
8036
8044
8035.7
8039
8045
Omaha
8055.1
7707
7709
7709.1
7680.5
7681
7691
7692
8798.5
7725
Grand Island
Loup
Big
8805.08
Blue
Cr.
8035.4
8064.7
8064.6
8034
8033
8032
8101
8064.4
Salt
Lincoln
Little
8104
8807.75
8805.9
W. Fork
Big Blue
8807.3
8807.2
PLATTE
Nemaha
8100.6
North
Fork
Nemaha
8441.5
8441.6
8441.7
8496
8513
8514
8837
8839.55
8812.5
8814.5
8815
8815.3
Little
Blue
8531
8475.6
8442
8475.5
8494
8502
8520
8835.4
8840.05
8155.1
8500
8505
8534
8510.9
KANSAS

wing location of partial-record stations.

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FACTORS FOR CONVERTING ENGLISH UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units by	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
acres	4047	square metres (m^2)
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
gallons (gal)	3.785	*litres (l)
	3.785×10^{-3}	cubic metres (m^3)
cubic feet (ft^3)	.02832	cubic metres (m^3)
cfs-day [(ft^3/s) d]	2447	cubic metres (m^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	.02832	cubic metres per second (m^3/s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	6.309×10^{-5}	cubic metres per second (m^3/s)
	Mass	
tons (short)	.9072	tonnes (t)

**The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.*